VERDENS-RADIO HAANDBOG

for Lyttere

LYTTERBOGEN

• 1948 •

MAJ-NOVEMBER

advertisement Telefunken

VERDENS RADIO-HAANDBOGEN

for Lyttere

med „HVEM ER HVEM" i Verdensradiofonien

Udgivet og redigeret af

O. LUND JOHANSEN

Med Støtte af DET DANSKE SELSKAB

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Maj 1948

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SOMMER-UDGAVEN 1948

Vinterudgaven 1948 udkommer i November

I KOMMISSION HOS BERLINGSKE FORLAG

Trykt i Det Berlingske Bogtrykkeri

UDDRAG AF BREVE FRA RADIOFONI-ORGANISATIONER, RADIOSAMMENSLUTNINGER O. LIGN. TIL »WORLD RADIO HANDBOOK FOR LISTENERS«

United Nations (UNO) Lake Success:

»Vi finder Verdens-Radiohaandbogen værdifuld paa mange Maader og ønsker den den største Succes i Fremtiden.«

UNESCO Organisation des Nations Unies pour l'Education, la Science et la Culturs:

»Vi er overordentlig interesserede i Verdens Radio Haandbogen og ønsker at gratulere Dem med at have frembragt et Værk, som vi er overbeviste om vil blive af virkelig Værdi for Lyttere over hele Verden.«

The International Broadcasting Organisation, Bruxelles:

»Denne smukke Bog vil tjene som et Værktøj for enhver, der er interesseret i Radiofoni, og en saadan Bog har været savnet længe. Vi maa gratulere Dem med, at det er lykkedes for Dem at opfylde et Ønske fra alle Mennesker, der er interesseret i international Radiofoni.

Formanden for den danske Unesco Nationalkommission, fhv. Undervisningsminister M. Hartling:

»Efter Redaktør Lund Johansens Anmodning skal jeg udtale, at World Radio Handbook efter min Mening allerede i sin foreliggende Form maa anses for et meget værdifuldt Hjælpemiddel for alle, som arbejder i og med Radio. Med de stadige Ændringer og den voksende Udvikling i de forskellige Lande vil en Videreførelse af Haandbogen og en Udbygning og a jour-Føring af de i den indeholdte værdifulde Oplysninger være meget ønskelig og jeg kan paa det bedste anbefale, at UNESCO yder sin Støtte til dette Arbejde, idet jeg anser et Samarbejde mellem UNESCO's Radiosektion og Haandbogens Udgiver for højst rimeligt og anbefalelsesværdigt.«

Australien. Radio Australia:

»Vi lykønsker Dem med de meget værdifulde Oplysninger, der findes i Deres Bog, og vi vil gøre vort til, at den bliver kendt i Australien.«

Belgien. Institut Radiodiffusion National Belge:

»Vi er meget tilfredse med Deres glimrende Bog og vore forskellige Afdelinger ønsker at bestille Eksemplarer til eget Brug.«

Canada. Canadian Broadcasting Corporation:

»Vi har modtaget Verdens Radio Haandbogen og vi forsikrer Dem, at vi er overordentlig tilfredse med den. Den repræsenterer et værdifuldt Bidrag til Fremme af international Forstaaelse. Maa jeg gratulere Dem fra mig selv og fra det kanadiske Radioselskab.«

England. British Broadcasting Corporation:

»Vi er overordentlig interesserede i Deres Verdens-Radiohaandbog, som indeholder Oplysninger af stor Værdi for os. Den vil blive en værdifuld Hjælp til Verdens Radiolytning.«

Frankrig. Direktionen for »Radiodiffusion et Television Francaise«, Paris:

»Deres Haandbog er efter vor Mening meget praktisk i sin Tilrettelæggelse og meget værdifuld.«

Holland. Direktionen for Radio Nederland Wereldomroep:

»Deres Verdens Radiohaandbog repræsenterer et meget interessant Arbejde, som vil være af stor Værdi for vore forskellige Afdelinger.«

Italien. Direktionen for Radio Italian:

»Vi har med den største Interesse studeret Deres Verdens-Radiohaandbog og værdsætter i høj Grad dens Indhold.«

Polen. Direktionen for Polskie Radio:

»Vi har den Glæde at meddele Dem, at vore forskellige Afdelinger finder Deres Verdens-Radiohaandbog overordentlig værdifuld. — Vi har intet at tilføje eller kritisere med Hensyn til dens Indhold. — Den er af stor Værdi for os.«

Schweiz. Direktøren for Generale Société Suisse de Radiodiffusion Berne:

»Jeg har gennemset Deres Haandbog med stor Interesse. Dens Indhold synes udmærket, og jeg har ingen Fejl fundet.«

Tyskland. Chefen for British Forces Network:

»Deres Haandbog er bleven modtaget med stor Begejstring af vor tekniske Stab og mange ønsker at erhverve sig et Eksemplar. Det er en udmærket og meget værdifuld Publikation.«

U. S. A. Editor of Radio News:

»Jeg føler mig overbevist om, at Deres Verdens-Radiohaandbog vil blive meget populær i U. S. A., og jeg vil paa det hjerteligste anbefale den til enhver i udenlandsk Radiofoni interesseret Lytter. — Jeg sender mine bedste Ønsker for den fremtidige Udvikling af Deres fine Publikation.«

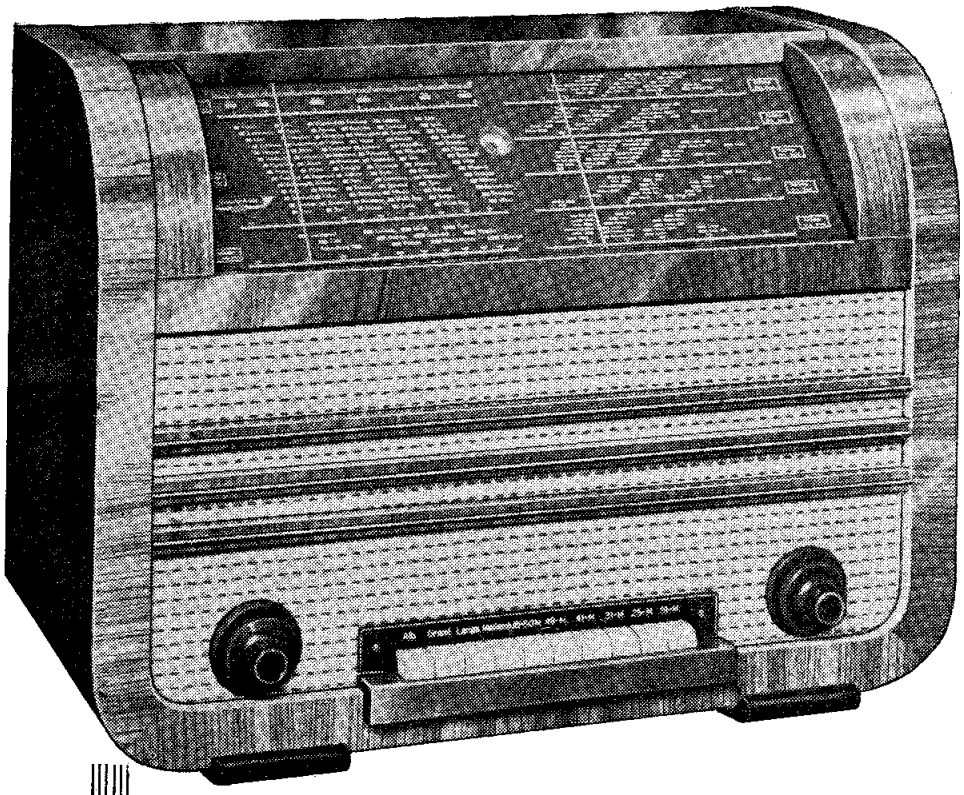
Østrig. Direktøren for Østrigs Radiofoni:

»Verdens-Radiohaandbogens Indhold er ikke alene for mig, men efter min Mening for alle, der beskæftiger sig med Radiofoni, af allerstørste Interesse. — Det er den første Haandbog, som giver en samlet Oversigt over Radiofoniudviklingen i Verden.

FORORD

Den første Udgave af »Verdens Radiohaandbogen« har mødt stor Interesse i de fleste Lande Verden over saavel hos Radiofoniselskaber og DX-Lytterklubber som hos de enkelte Lyttere. — Talrige Breve giver Udtryk herfor, og som Exempler herpaa findes paa Side 2 aftrykt Uddrag af enkelte af disse mange Breve. — Der er saaledes i vide Kredse Forstaaelse af og Interesse for Bogens egentlige Formaal: Fremme af Verdens-Radiofonien ved bl. a. at yde et Bidrag til Skabelse af Kontakt mellem Radiofoniselskaberne indbyrdes og ved at give interesserede Lyttere et praktisk Middel i Hænde til Aflytning af de forskellige Radiofonistationers Udsendelser. — Det er lykkedes at skabe en værdifuld Kontakt med de fleste Radiofoniselskaber; en betydelig Fremgang kan noteres fra den første Udgave til den foreliggende, hvilket Bogens Indhold ogsaa vil give Udtryk for. Forhaabentlig vil det lykkes med den næste Udgave, der udkommer i November 1948, at skabe den fuldkomne Verdens Radio Haandbog. Men hertil kræves et forstaaende Samarbejde med alle Radiofoniselskaber og Lytter-Sammenslutninger Verden over. — Derfor beder jeg alle Radiofoniselskaber om at holde Verdens Radiohaandbogens Redaktion a jour med deres Udsendelser, Frekvenser og Sendetider ved Tilsendelse af saadanne Oplysninger, som falder indenfor Bogens Rammer, samt at meddele Redaktionen evt. Ønsker og Kritik m. H. t. fremtidige Udgavers Indhold. — Ogsaa med individuelle Købere af Verdens Radiohaandbogen og DX-Sammenslutninger i alle Lande søger Redaktionen Kontakt og beder om ogsaa herfra at modtage evt. Kritik og Ønsker. — Alle, der er interesserede i Bogens Formaal, beder vi om at være behjælpelig med at udbrede Kendskabet til dens Existens, hvorved de yder et værdifuldt Bidrag til Fremme af Verdens-Radiofonien og tjener ved Udførelsen af dette Pionerarbejde: Verdensfredens Interesser.

O. Lund Johansen.



Superphone 10 RØRS KÆMPESUPER

TYPE 710/48

PRIS KR. 875
EXCL. RØRSKAT

en Luksussuper, hvor intet er sparet for at give en større Følsomhed, en bedre Gengivelse og et fornemt Udseende. De 10 Tangenter betjener Afbryder, Grammofontilslutning, Langbølge: 1000—2000 m, Mellembølge: 200—580 m, Kortbølge: 85—200 m, 30—85 m, 13—31 m, samt 3 baandspredte Omraader: 19 m, 25 m og 31 m Baandet, altsammen tydeligt afmærket paa den store »guldtrykte« Dobbeltskala. Modtageren er forsynet med Push-Pull Udgang, hvilket giver en overvældende Tonefylde og Klangskønhed.

Superphone
NRI

advertisement superphone

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Kanadas Stemme

Canada taler til Europa hver Dag pr. Kortbølge paa Dansk, Norsk, Svensk, Engelsk, Fransk, Czekisk, Hollandsk og Tysk. — Andre Programmer udsendes regelmæssigt paa Engelsk til det karibiske Omraade og til det sydvestlige Pacific, samt paa Spansk og Portugisisk til Central- og Syd-Amerika.

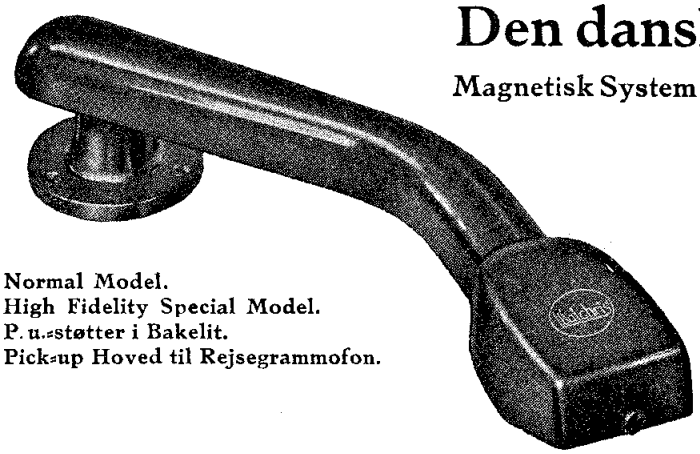
Alle disse Programmer udsendes fra Montreal-Studierne af »The International Service of the Canadian Broadcasting Corporation og udstraales fra CBC's 50 Kilowatt Sendere i Sackville, der er beliggende i den østlige Del af Provinsen New Brunswick.

Lyttere i alle Lande indbydes til at lytte til »The Voice of Canada« for at høre om Begivenheder og Livet i Canada. — De bedes skrive efter Programdetailler til

CBC INTERNATIONAL SERVICE
Post Office Box 7000, Montreal, Canada

Den danske Kvalitets Pick-up

Magnetisk System med det patentanmeldte Letvægtsanker



Normal Model.
High Fidelity Special Model.
P. u.-støtter i Bakelit.
Pick-up Hoved til Rejsegrammofon.

Modellerne fabrikeres i Standard Udførelse som ovenfor og passer til Pladespillere af Fabrikat Tik, Toga, Garrard m. fl., og i Udførelser passende til de fleste andre gængse Pladespillertyper.

Den fuldendte Gengivelse med

Walchris

— det førende Mærke

og saa skaaner den Pladerne!

Faas i alle Radio- og Musikforretninger

advertisement CBC Radio Canada Walchris

INDLEDNING

De i det følgende Afsnit givne praktiske Oplysninger om hvert enkelt Lands Radiofoni omfatter:

Tidsforskellen mellem det paagældende Lands normale Tid (Normal Clock Time) sammenlignet med Greenwich Mean Time (G. M. T.) og med Angivelse af om det paagældende Land har indført Sommertid. For Albanien er saaledes eksempelvis anført: »Normal Clock Time« — G. M. T. plus 1 hour, d. v. s. at den lokale Tid henholdsvis Sommertiden i Albanien er Greenwich Mean Time plus 1 Time henh. 2 Timer. — Alle Tidsangivelser i Oversigterne er Greenwich Mean Time (G. M. T.).

Adressen paa det paagældende Radiofoniselskab.

Navne og Titler paa de ledende Personer (Leading Personalities) indenfor hvert Selskab.

Stationer, som tilhører det paagældende Selskab, med Angivelse af Kendingsbogstaver (call-signs) for Kortbølgestationerne, Frekvenser (frequencies) og de hertil svarende Bølgelængder (wavelengths) samt Styrken udtrykt i Kilowatt. For Europa, Nordafrika og Nære Orient er anført alle Radiofonistationer for alle Bølgelængdeomraaderne og for de øvrige Lande alle Kortbølge-Radiofonistationer.

Kortbølgestationerne har hver et Identitetsmærke bestaaende af 3—5 Bogstaver eller Kombination af Bogstaver og Tal, hvoraf det første eller de to første angiver Nationaliteten. Nogle Kortbølgestationer, f. Eks. de amerikanske, anvender Kendingsbogstaverne ved Annonceringen. *Lang- og Mellembølge-Stationerne* er delt i

Hovedstationer, der er saa kraftige, at de som Regel er hørlige i hele det paagældende Lands Omraade, og hvorfra de fleste Udsendelser foregaar, *Regional-Stationer,* der er hørlige indenfor et vist Omraade indenfor det paagældende Land, og hvis Udsendelser dels bestaar af Retransmission af Hovedstationens Programmer og dels af egne Programmer og endelig *Relais-Stationer* (Relay-stations), der udelukkende retransmitterer Hovedstationens Programmer.

De fleste *Kortbølgestationer* anvender Retningsantenner, d. v. s. Udsendelserne er rettet mod bestemte Landomraader, og man taler derfor om Udsendelsernes forskellige Service: Europa-Udsendelser (European Service), Nære Orient (Near East), Mellemste Østen (East), Fjerne Østen (Far East), Australien etc. (Pacific), spansktalende Sydamerika (Latin-America), Vestindien (Caribbean) etc. — Det i Udsendelserne anvendte Sprog og de anvendte Frekvenser skifter, eftersom Udsendelserne er bestemt for det ene eller andet Landomraade. —

Daglige Programmer. (Daily Programmes). Der bringes herunder Oplysning om den samlede Sendetid i Greenwich Mean Time for de enkelte Frekvenser, der anvendes i Udsendelsestiden. For de fleste Stationers Vedkommende endvidere en Oversigt over Dagens faste Udsendelser. Eksempelvis kan nævnes: News (Nyheder), Topical (Aktuelt), Newsreel (Aktuel Reportage), Programme Preview (Oversigt over Dagens Program), Request Concert (Ønskeprogram), Play or Theatre (Hørespil), Religious Service (Gudstjeneste), Exercise (Gymnastik), Chamber Music (Kammermusik), Symphony Concert, For the Youth (Ungdomsudsendelse), Children's Hour (Børnetime), For the Wife (Udsendelse for Husmødre), For the Farmers (Landbrugsforedrag), Talk (Foredrag), Record (Grammofonplader) etc. —

Særlige Programmer (Highlights of Programmes). Herunder er anført de særlig interessante og værdifulde Udsendelser, der falder paa bestemte Ugedage, som f. Eks. Symfonikoncerter, Operaopførelser eller -transmissioner, Operetter, Kabaret, Hørespil og lign.

Hvorledes indstilles til en Kortbølgestation?

Det kræver Øvelse at indstille Modtageren rigtigt til en Kortbølgestation. En Bevægelse paa blot et Haars Bredde kan give den rigtige Indstilling. Naar en Kortbølgestation er fundet,

maa der finindstilles ved nænsomt at dreje Skala-Knappen frem og tilbage, samtidig med at Volumen-Kontrollen skrues netop saa højt op, at den paagældende Station kan identificeres. Drejes Indstillingsknappen for hurtigt, kan en svag Station let overhøres.

Modtageforholdene paa korte Bølger kan være meget lunefulde. Man lytter til en fjerntliggende Station, efter kort Tids Forløb svinder den bort (»fader«) og kommer ikke lige straks igen.

Programmerne udsendes oftest paa flere Bølgelængder samtidig. Dersom De har indstillet Modtageren til den Station, De ønsker at aflytte, og Aflytningen ikke er tilfredsstillende, saa forsøg de andre Bølgelængder, som Stationen anvender i det paagældende Tidsrum.

Frekvens og Bølgelængde.

Frekvens og Bølgelængde angives i henh. Kilocycles per Sekund (kc/s) og Meter (m). Kilocycles pr. Sekund vil sige 1000 Svingninger per Sekund, — Frekvens- og Bølgelængdeomraaderne er opdelt i følgende Grupper:

Lange Bølger med Frekvenser henh. Bølgelængder fra 133 kc/s (1961 m) til 500 kc/s (600 m).

Mellembølge med Frekvenser fra 500 kc/s (600 m) til 3000 kc/s (100 m).

Korte Bølger med Frekvenser fra 3000 kc/s (100 m) til 30000 kc/s (10 m).

Megacycles, Kilocycles og *Meter* er tre forskellige Betegnelser for Bølgelængder. — 1 Megacycle er lig 1000 Kilocycles, Megacycles udtrykkes i Kilocycles ved at multiplicere Megacycles med 1000. Kilocycles udtrykkes i Meter ved at dividere Kilocycles op i 300000. Meter udtrykkes i Kilocycles ved at dividere Meter op i 300000.

De korte Bølgers Omraade er delt i følgende Bølgeomraader:

49 m. b., 41 m. b., 31 m. b., 25 m. b., 19 m. b., 16 m. b., 13 m. b., 11 m. b.

Mange Kortbølgestationer ligger udenfor disse Baand. 60 og 80 Meter Baandene anvendes til lokal Radiofoni, f. Eks. Central-Afrika og Syd- og Mellemamerika. For at opnaa den bedst mulige Modtagning af en Kortbølgestations Udsendelser forandrer Stationen sin Frekvens efter Døgnets og Aarets Tider.

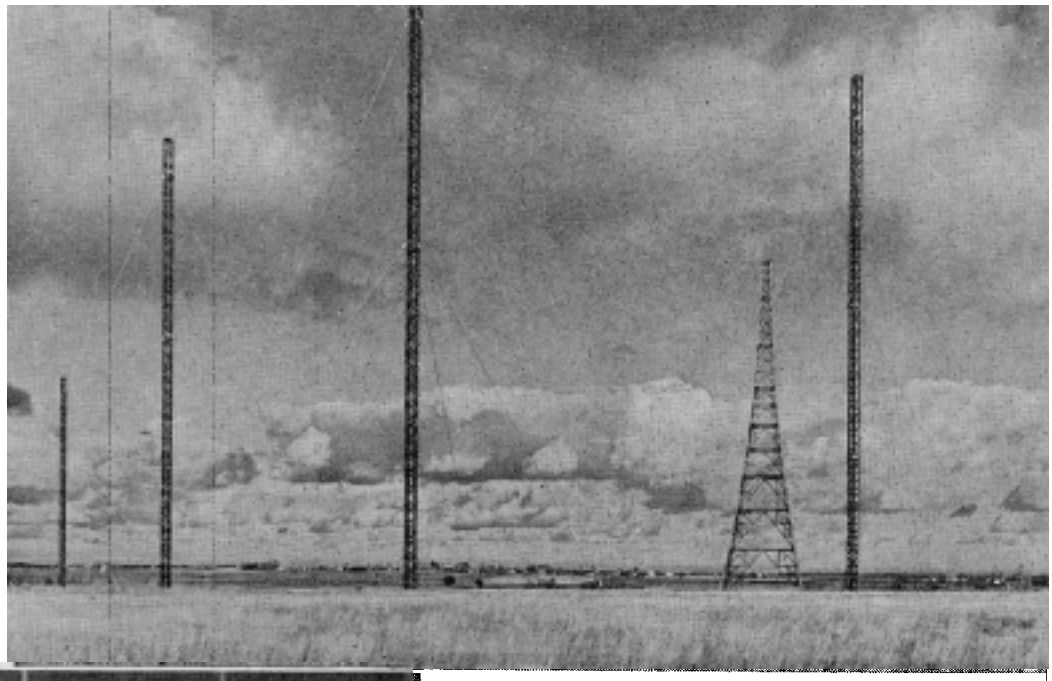
QSL Kort.

Som angivet under de forskellige Landes Radiofonioversigter er mange Radiofonistationer interesserede i at modtage Rapporter om deres Udsendelser fra Lytterne. Stationerne kvitterer i de fleste Tilfælde for Rapporter ved at sende Lytteren et QSL-Kort. For de fleste Stationers Vedkommende er det angivet om Rapporter besvares med QSL-Kort eller Brev og om Svarporto ønskes; i saa Tilfælde vedlægges en international Svarkupon. — Saadanne Rapporter kan i de fleste Tilfælde affattes paa Engelsk, men til de sydamerikanske og centralamerikanske Stationer helst paa Spansk. Rapporten bør indeholde Oplysning om Bølgelængden, Datoen, Tidspunktet, Programmet, der er aflyttet, helst med lidt Detailoplysninger, Fading (QSB), Interferens (QRM), Modtagertype og Antenne samt Forstaaelighed og Styrke, hvortil benyttes følgende Betegnelser:

Forstaaelighed:	**Styrke:**	**Forstyrrelser:**
QRK1 — ikke forstaaelig	QSA1 — meget vanskelig at høre	QRM — Forstyrrelser fra andre Stationer
QRK2 — delvis forstaaelig	QSA2 — svag	QRN — Atmosfæriske Forstyrrelser
QRK3 — med Besvær forstaaelig	QSA3 — rigtig god	QSB — Variationer i Styrken (»Fading«)
QRK4 — helt forstaaelig	QSA4 — god	
QRK5 — uden Besvær forstaaelig	QSA5 — meget god	

Til Angivelse af Tidspunktet anvendes Greenwich Mean Time (G. M. T.). Under de forskellige Landes Radiofonioversigter findes angivet den fuldstændige Adresse for de enkelte Stationer.

Antenneanlæget til den nye danske Kortbølgesender i Herstedvester.



Finland: Finsk Program-Direktør Fil. mag. Jussi Koskiluoma.
Czechoslovakiet: "Sunday Evening Social", en af de mest populære czekiske Udsendelser.
BBC European Service: General Sir Ian Jacob, Direktør for BBC's Overseas Service, med Medlemmer af den skandinaviske Radio-Sektion. Fra venstre til højre: General Jacob, Bent Nordhjem (Dansk Program-Assistent), Palle Sachs (Dansk Program-Assistent), Denis Winther, Direktør for den skandinaviske Radiotjeneste), Roy Duffell (Dansk Programchef).

Red Skelton, berømt amerikansk Kunstner, der ofte høres over AFN og Blue Danube Networks Station.

Denmark Herstedvester Finland Jussi Koskiluoma Czechoslovakia BBC Sir Ian Jacob Red Skelton Blue Danube Network
General Jacob Bent Nordhjem Palle Sachs Denis Winther Roy Duffell

L'UNION INTERNATIONALE DE RADIODIFFUSION (U. I. R.). SIÈGE SOCIAL

Address: 37 Quai Wilson Geneve.

Leading Personalities: Board of Directors: President G. Conus (Switzerland). Vice-presidents: J. Bomholt (Denmark), L. O'Broin (Eire), G. Spataro (Italy), N. V. Ilkin (Turkey). — General Secretary: R. de Reding (Switzerland).

Membres actifs: Denmark, Norway, Eire, Portugal, Swiss, Spain, Sweden and Turkey.

Un membre "a titre special": La Service de radiodiffusion du Vatican, Cité du Vatican.

"Membres associês": South African Broadcasting Corporation, Johannesburg — Direction générale des Postes et des Telegraphes Buenos Aires Argentina — Amalgamated Wireless (Australasia). Ltd. Sydney — Burma — The Central Broadcasting Administration Nanking — The National. Broadcasting Company Newyork — Iran. —

INTERNATIONAL BROADCASTING ORGANIZATION (I. B. O.).

Address: 32 Avenue Albert Lancaster, Brussels.

Leading Personalities: Board of Directors: Chairman: Shukry Abaza Bey (Egyptian Broadcasting). Vice-Chairman: W. Billig (Polskie Radio) and J. Kuypers (I. N. R., Belgium). Delegate to the Administrative Office: B. Lastovicka (Czekoslovensky Rozhlas). Directors: M. Arbousov (Radio Committee U. S. S. R.), Professor G. Gerbrandy (N. R. U. Netherlands). J. Meyer (Radiodiffusion francaise). — Deputy Directors: J. B. Broekz (Netherlands), L. Daumard (France), Th. Fleischman (Belgium), J. Panski (Poland), Dr. K. Remes (Czekoslovakia), A. Shchetinin (U. S. S. R.).

Members of I. B. O.: Albania, Bulgaria, Czekoslovakia, Hungaria, Italy, Poland, Yugoslavia, U.S.S.R., Bielorussie, Finland, Esthonia, Latvia, Lithuania, Moldavia, Ukrainia, Egypt, Syria.

EUROPE

ALBANIA

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address: Direction Centrale de la Radiodiffusion d'Albanie, Rue Conference de Peza 3, Tirana.

Leading Personalities: Director General: M. Petro Kito.

Stations:

Tirana	1500 kc/s	200 m	1 kW
Tirana	7850 kc/s	38.22 m	3 kW
Korca	6257 kc/s	47.95 m	3 kW
Shkodra	8216 kc/s	36.5 m	3 kW

Daily Programmes in Albanese on 200 m from 04.40-06.45, 11.00-21.00.

Daily News in different languages on 38.22 m.

18.00 News in Russian
18.15 News in Roumanian
18.30 News in Italian
18.45 News in French
19.00 News in Albanian
19.15 News in Greec
19.30 News in Bulgarian
19.45 News in Turkish
20.00 News in Serbo-Croat
20.15 News in English
20.30 Progr. for Albanians abroad
21.30 Close down

Interval Signal: A raising and falling cadence of 12 musical notes.

Message to Listeners: Reports answered by letter.

ANDORRA

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Emisiones de Radio-Andorra, Roc de las Ancletes, Andorra la Vieja, Principado de Andorra.

Leading Personalities: Chairman: S. D. Vila Llobet. Directors: Sr. Don José Tara Peralta, Sr. Don M. Saint Denis. Technical Director: Sr. Don Lucien Killmayer. Administrative Secretary: Sr S. M. Amigo.

Stations: Radio Andorra.

704 kc/s	426.1 m	60 kW
5980 kc/s	50.16 m	25 kW
9330 kc/s	32.15 m	25 kW inactive

Daily Programmes: from 11.30-14.00, 18.00-24.00.

Special Programmes on 50.16 m.
21.30 Swiss Broadcast 22.15 Belgian Broadcast 23.15 Anglo-Saxon Broadcast.

Announcement in Spanish and French: In Spanish: "Aqui Radio Andorra".

Interval-Signal: Gong.

Message to Listeners: Reports are welcomed and will be answered by QSL-card.

AUSTRIA

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Stations:

Vorarlberg-Dornbirn	West	519 kc/s	578 m	1,2 kW
Innsbruch	West	519 kc/s	578 m	2 kW
Klagenfurt	BFN	565 kc/s	531 m	0,7 kW
Graz	BFN	565 kc/s	531 m	0,7 kW
Vienna I	RAVAG	592 kc/s	507 m	10 kW
Linz KOFA	Blue Danube	629 kc/s	477 m	1 kW
Vienna	BFN	868 kc/s	345 m	0,8 kW
Alpenland	Alpenland	886 kc/s	339 m	100 kW
Vienna WOFA	Blue Danube	1068 kc/s	280 m	1 kW
Salzburg KZCA	Blue Danube	1104 kc/s	271 m	1,3 kW
Salzburg	Rot-Weiss-Rot	1267 kc/s	237 m	5 kW
Graz	Alpenland	1285 kc/s	233 m	15 kW
Klagenfurt	Alpenland	1285 kc/s	233 m	15 kW
Vienna	Alpenland	1285 kc/s	233 m	6 kW
Linz	Rot-Weiss-Rot	1294 kc/s	232 m	15 kW
Vienna II	RAVAG	1312 kc/s	229 m	10 kW
Vienna	Rot-Weiss-Rot	1294 kc/s	231 m	15 kW
Vorarlberg	West	6000 kc/s	50.00 m	0,5 kW
Vienna I	RAVAG	6155 kc/s	48.74 m	0,3 kW
Vienna II	RAVAG	7175 kc/s	41.80 m	0,2 kW
Salzburg	Blue-Danube	7220 kc/s	41.00 m	0,4 kW
Vienna	Rot-Weiss-Rot	9563 kc/s	31.37 m	0,2 kW
Vienna III	RAVAG	9664 kc/s	31.04 m	0,2 kW
Vienna IV	RAVAG	11785 kc/s	25.45 m	0,2 kW

American Zone

THE BLUE DANUBE NETWORK

Address: HQ USFA. APO 777, US Army, Austria.

Leading Personalities: Chief of Blue Danube Network: Captajn Robert Cranston. Chief of Operations BDN and

Station Manager WOFA: Mr. Bill Willey. Chief Engineer BDN: Mr. Richard Wilkin. News Chief and Publicity BDN: Mr. Thurston Macauley. Station Manager KZCA: T/3 Mr. Robert Craff. Station Manager KOFA: Mr. Joseph P. Welsh.

Stations:

Salzburg KZCA	1104 kc/s	271 m	1 kW
Vienna WOFA	1068 kc/s	281 m	1 kW
Linz KOFA	629 kc/s	477 m	1 kW
Salzburg	7220 kc/s	41 m	0,4 kW

Daily Programmes: *Weekdays:* 04.00-22.00. *Sundays:* 05.00-22.00.

Weekdays:
04.00 Music
05.30 World News
06.00 Music
08.00 Repeat Performance
09.00 The Judge is You
09.30 Music
10.00 World News
10.15 Music
14.00 Concert House
16.00 World News
16.15 Your Vienna Reporter
17.30 Music
19.00 Report from Europe
20.50 News Round Up
21.30 Words with Music

Sundays:
05.00 Music
06.20 Music
07.30 Repeat Performance
08.00 World News
08.02 Organ Music
08.30 Music
09.00 Blue Danube Chapel
10.00 World News
10.15 Music
11.30 This World this Week
11.45 Music
12.00 Concert Hall
16.00 World News
17.05 Music
19.00 World News
21.00 Melody Hour

Announcement: Network cue at 30 minute intervals: "This is BDN, the Blue Danube Network". Each Station makes its own station break after each show: "WOFA Vienna (or: KOFA Linz, or: KZCA Salzburg)".

Message to Listeners: The Blue Danute Network serves American military and civilian personnel stationed in Austria, bringing them the best in radio, through the Armed Forces Radio Service, plus its own original programs and productions. Letters are welcomed from European listeners.

SENDERGRUPPE ROT-WEISS-ROT

Address: Sendergruppe Rot-Weiss-Rot, Hofstallsgasse 5, Salzburg. Promenade 23, Linz, and Seidengasse 13, Wien VII.

Leading Personalities: Chief of the entire network: Mr. Roman Grabmayr. Station-Coordinator for Vienna: Mr. Josef R. Sills. Programme-Director for Salzburg: Dr. Teza Rech. Programme-Director for Linz: Mr. Andreas Reischek. Chief-Engineer: Dr. Rudolf Stumminger. Music Director: Mr. Emmerich Zillner.

Stations:

Salzburg	1267 kc/s	236.8 m	5 kW
Linz	1294 kc/s	231.8 m	15 kW
Vienna	1429 kc/s	210.0 m	15 kW
Vienna	9560 kc/s	31.37 m	1 kW

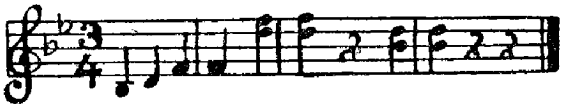
Daily Programmes:
Weekdays: 03.57-06.45, 07.30-13.00, 13.45-22.00.
Saturdays: 03.57-06.45, 07.30-22.00.
Sundays: 06.47-22.00.

Weekdays:
04.00 News
04.15 Music
05.00 News
05.15 Music
06.00 News in Czech
06.15 News in Slovak
07.30 News in Croat
07.45 News in Hungarian
08.00 School of the Air
09.00 Pow-News
09.15 Music
10.30 News
11.00 Music
12.15 For the Housewife
12.30 Music
14.00 Music
14.30 Children's Hour
15.30 Literature
15.45 America Calls Austria
16.00 Music
16.45 This is America
17.00 English by Radio
17.15 Music
17.45 News
18.15 Various
20.00 News
20.15 Music
20.30 America Calls Austria and Commentary
20.45 Music
21.30 Music
21.55 News

Sundays:
05.00 News
05.15 Variety Hour
06.00 News
06.15 For Towns and Village
06.45 Protestant Service
07.00 Symphony Concert
07.45 Catholic Sermon
08.00 Catholic Service
09.00 Music and Literature
09.45 Political Round-Up
10.00 Music
10.30 News
10.45 Music
13.00 Children's Hour
13.30 Music
16.45 This is America
17.00 Music
17.45 Sport and News
18.15 Variety Programme
20.00 News
20.15 Music
20.30 America Calling
20.45 Music
21.30 Music
21.55 News

Announcement: "Hier ist die Sendergruppe Rot-Weiss-Rot", Wien auf Welle 210 m, Salzburg auf Welle 236.8 m, Linz 231.8 m und der Kurzwellensender auf 31.37 m."

Interval-Signal: The first seven notes of the "Blue-Danube" by Johann Strauss.



British Zone

SENDERGRUPPE ALPENLAND

Address: Sendergruppe Alpenland, Funkhaus Graz, Zuserthalgasse 14 a, Graz.

Leading Personalities: Programme Director: Dr. Harald Scheibel. Chief Producer: Mr. Adolf Boehmer. Chief Engineer: Ing. Hans Gangl.

Stations:

Alpenland	886 kc/s	338.6 m	100 kW
Graz	1285 kc/s	233.4 m	15 kW
Klagenfurt	1285 kc/s	233.4 m	15 kW
Vienna	1285 kc/s	233.4 m	6 kW

Daily Programmes:
Weekdays from 04.00-06.15, 08.30-12.00 and 14.00-22.00.
Sundays from 05.00-22.00.
News at 04.00, 05.00, 06.00, 11.00, 15.00, 18.00, 20.00 and 21.15.

Announcement: In *German:* "Hier ist die Sendergruppe Alpenland". In *English:* Here is the Alpenland network".

Interval-Signal: Alpenland und Graz: The first sounds of the Styrian song: "Hoch vom Dachstein an":

Klagenfurt: The first notes of "Dort wo Tirol an Salzburg grenzt".

Message to Listeners: "Radio Alpenland will be grateful for reception reports."

BRITISH FORCES NETWORK

Address: C 13 Army Broadcasting Station, APO. S. 564, Vienna, BTA.

Leading Personalities: Parent Station in Cruz: Capt. R. Angove. Station Commander: Lieut. P. B. Hodgkinson.

Stations:

Klagenfurt	565 kc/s	531 m	0,75 kW
Graz	565 kc/s	531 m	0,75 kW
Vienna	868 kc/s	345 m	0,8 kW

Daily Programmes:
Weekdays from 04.58-07.00, 07.30-21.00
Sundays from 05.58-21.00

Announcement: Opening melody: "Rule Britannia". Closing melody: "The King". Text: "Good morning everyone. This is the British Forces Network, Austria, operating from stations in Klagenfurt, Graz and Vienna.

French Zone

SENDERGRUPPE WEST

Address: Sender *Vorarlberg,* Dornbirn, Rathausplatz 1. Sender *Innsbruck,* Innsbruck, Landhaus, Neubau.

Leading Personalities:
Vorarlberg: Bundesrat Eugen Leissing and Director of Programmes: Mr. Ludwig Standl.
Innsbruck: Dr. Arthur v. Schuschnigg and Engineer Dr. Hans Bucek.

Stations:

Radio Vorarlberg-Dornbirn	519 kc/s	578 m	6 kW
Radio Innsbruck	519 kc/s	578 m	1,2 kW
Radio Vorarlberg S. W.	6000 kc/s	50.00 m	0,5 kW

Daily Programmes: *Weekdays:* 04.00-06.30, 09.00-13.00, 14.00-22.00. *Saturdays:* 04.00-22.00. *Sundays:* 05.00-22.00.

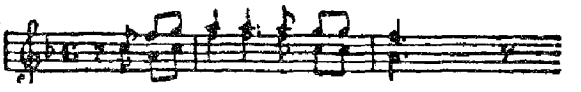
Weekdays:
04.00 News
04.15 Concert ...
05.00 News
06.00 News in French (from Paris)
06.20 Gymnastics for Children
09.00 Concert
10.15 Concert
10.40 Local News
10.45 News
11.00 News in French (from Paris)
12.00 "Musikalische Wirtschaftsstunde" (Saturdays: Hörergrüsse)
14.00 Concert
14.45 Programme Preview (except Saturdays)
14.50 Concert (Saturdays: 15.00)
17.00 News
17.30 "Gute Nacht, liebe Kinder!"
20.00 News
20.15 Programme Preview
20.20 "Nachtmusik"

Sundays:
05.00 News
05.25 Concert
06.00 News in French (from Paris)
08.00 Catholic Service
09.00 Concert
10.00 Music
10.40 Local News
10.45 News
11.00 News in French (from Paris)
12.30 Concert
14.30 "Volksmusik aus österreich"
15.00 Dance Music
16.00 For Stamp-Collectors
17.00 News
20.00 News
20.15 Program Preview
20.20 Music

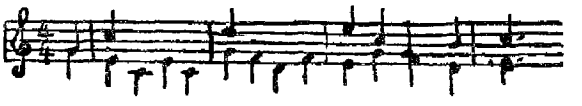
Highlights of Programmes:
Symphony Concert: Wedn. at 18.45.

Announcement: "Oesterreichische Sendergruppe West, Radio Vorarlberg, Radio Innsbruck, Studie Dornbirn.

Interval-Signal: *Innsbruck:* Harfenspiel "Mein schönes Innsbruck am grünen Inn".



Closing with the "Kaiserjägermarch".
Vorarlberg: The first movement of "Segenwolle Almenscholle, schönes Land am jüngen Rhein".



Dornbirn: The first movement of "Theresianische Messe". Closing with "Gute Nacht - Lied".

U. S. S. R. Zone

RAVAG

Address: Ravag, Argentinierstrasse 30 A, Wien IV.

Leading Personalities: Oeffentlicher Verwalter für das Österreichische Rundspruchwesen Dr. Siegmund Guggenberger. Programme Director: Prof., Dr. Rudolf Henz. Chief Engineer: Ing. Wilhelm Füchsel.

Stations:

Vienna I	592 kc/s	506.8 m	10 kW
Vienna II	1312 kc/s	228.6 m	10 kW
Vienna I	6155 kc/s	48.74 m	0,3 kW
Vienna II	7175 kc/s	41.80 m	0,25 kW
Vienna III	9664 kc/s	31.04 m	0,25 kW
Vienna IV	11785 kc/s	25.45 m	0,2 kW

DAILY PROGRAMMES from Vienna I.
On 506.8 m and 25.45 m: *Weekdays* from 03.45-06.15 and 08.00-22.05.
Sundays from 04.40-22.05.
On 48.74 m: *Mondays* and *Thursdays:* 03.45-06.15, 08.00-17.10 and 18.00-22.05. *Tuesdays* and *Fridays:* 03.45-13.00 and 14.00-22.05. *Wednesdays* and *Saturdays:* 03.45-06.15 and 08.00-22.05.
Sundays: 04.40-22.05.
On 31.04 m and 41.80 m: *Weekdays:* 03.45-14.55 (*Saturdays* 14.00) and 21.30-22.05.
Sundays: 04.40-08.00 and 21.30-22.05.

Weekdays:
03.45 Music
04.00 News
04.10 Music
04.30 Teaching Languages
04.40 Farming Talk and Music
04.55 Gymnastics
05.00 News, Programme Preview
05.15 Music
06.00 Local News
08.00 Music or For Schools
08.30 For Schools
09.00 For Women
09.15 Suchdienst
09.30 Music
09.55 Weather
10.15 Music
11.00 News, Weather
11.15 Music
12.00 Local News
12.15 Request Concert
13.00 For Schools (except Saturdays)
14.00 Advertising (Puff) (Saturday: Music)
14.55 Progr. Preview
15.00 News, Weather
15.10 Recital (except Saturdays)
15.50 Actualities from the Sovjet. Newspapers
16.00 Concert (Saturdays: Stunde der Allierten)
17.00 Stimme der Zeit (Saturday: 17.05)
17.10 Talk of Sovjet (except Thursd. and Saturd.)
17.30 Das Echo des Tages

17.45 Local News and Sport
18.00 News, Weather
18.20 Music or Play (Thursdays: Russian Progr.)
20.00 News, Weather
20.20 Music (except Saturd.)
20.40 Broadcast from Moscow, Music
21.55 Progr. Preview for the next day
22.00 News

Sundays:
04.40 Music
05.00 News Weather and Progr. Preview
05.15 Organ Music
05.40 Sunday-morning
06.10 Opera-Concert
07.00 Variety
07.45 Religious Service
08.00 Mass (Catholic Serv.)
09.00 For the Farmers and Music
09.35 Actualities from the Sovjet. Newspapers
09.45 Orchestral Concert
11.00 News, Weather, Progr. Preview
11.20 Music
12.00 Chamber Music
12.30 Music
13.00 For Children
13.30 For Youth
14.00 Music
14.55 Progr. Preview
15.00 News, Weather
15.10 Music or Variety
16.00 Foreign Political Weekly Report
16.15 Talk
16.45 Music
17.45 Sport
18.00 News, Weather
18.20 Russian Programme
20.00 News, Weather
20.20 Advertising (Puff)
20.40 Progr. from Moscow, Dance Music
21.50 Progr. Preview for the next day
22.00 News

Highlights of Programmes:
"Wir laden ein": Saturdays at 18.20
"Radio Theatre": Tuesdays at 18.50 and Fridays at 18.20
"Bunte Musik am Montagabend": Mondays at 18.20
Orchestral Concert: Wednesdays at 18.45

DAILY PROGRAMMES from Vienna II.
On 228.6 m, 31.04 m and 41.80 m.: *Weekdays* from 14.55-21.30. *Sundays* from 08.00-21.30.

Weekdays:
14.55 Progr. Preview
15.00 News, Weather
15.10 Music (except Saturd.)
16.00 Talks (Frid.: Music, Saturd.: Cabaret)
16.55 Scientific News (except Saturday)
17.00 Teaching languages (except Saturdays)
17.10 Relay Vienna I (except Thursd. and Saturd.)
17.30 Music or Talk
18.00 News, Weather
18.20 Music
20.00 News, Weather
20.25 Music

Sundays:
08.00 Music
08.25 Litterature
08.40 Music
09.15 Literature
09.45 Music
11.00 News, Weather, Progr. Preview
11.35 News of Film
12.00 Music
13.00 Request Concert
14.00 Speaking on Books
14.30 "Volksmusik aus Österreich"
15.00 News, Weather
15.10 Literature Magazine
16.00 Piano
16.30 Sport
16.40 Game at Chess
16.45 Montage
17.00 "Na, das ist ja leicht! (Puzzle) or Play
18.00 News, Weather
18.20 Music
20.00 News, Weather
20.20 Sport
20.35 Music

Highlights of Programmes:
"Chamber Music" on Mondays at 18.20
"Symphony Concert and Piano" on Saturdays at 18.20
"Klingende Österreich" on 1., 3., and 5. Sunday at 18.20

Common Broadcast from all Austrian Stations.
Sundays: 08.00-09.00 Religious Service, 10.00-10.30 New Austrian Music., 14.30-15.00 "Volksmusik aus Oesterreich"
Tuesdays: Fortnightly: Opera from the Royal Opera.—
Wednesdays: 16.15-16.30 "Oesterreich baut auf"

EUROPEAN SERVICE on 48.74 m.
Every *Monday* and *Thursday:*
13.00-14.00 Informations in Ukrainian from Kiev.
Every *Tuesday* and *Friday:*
17.10-18.10 Information in Lithuanian, Latvian and Esthonian Languages.

Announcement: "Hier ist Radio Wien auf ..... (Wavelengths).

Interval-Signal: Tick-tack of an alarm clock.

Message to Listeners: Reports from listeners are answered by letter, also return postage is not enclosed.

BELGIUM

Normal Clock Time — G. M. T. + 1 hour.
No Summer Time.
Address: Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Brussels.

Leading Personalities: The President of the Conseil de Gestion: Minister of Communication: Mr. Achiel van Acker. *Flemish Dept.:* Director General: Mr. Jan Boon. Deputy Director General: Mr. Gust De Muynck*. Director of Music: Mr. P. Gollaer. Director of Spoken Word: Mr. Raymond Brulez. *French Dept.:* Director General: Mr. Theo Fleischmann. Asst. Director General: Mr. Roger Clausse. Director of Music: Mr. Rene Tellier. Director of Spoken Word: Mr. Frans Hoosemans. *Overseas Dept.:* Director Mr. Franz Zoete. *Technical Dept.:* Director General Mr. Fernand Mortiaux. Asst. Director General: Mr. Georges Hansen.
* The Delegate of the Minister of Communications with the Belgian National Radio Institute

Stations:
French transmissions:

Brussels I	620 kc/s	483.9 m	20 kW
Brussels IV	868 kc/s	345.6 m	10 kW
Namur	1492 kc/s	201.10 m	0,3 kW
Hainaut	1492 kc/s	201.10 m	0,25 kW
Liége	1140 kc/s	265.2 m	0,25 kW

Flemish transmissions:

Brussels II	932 kc/s	321.9 m	20 kW
Brussels III	1285 kc/s	233.5 m	5 kW
Ghent	1465 kc/s	204.8 m	0,2 kW
Anvers	1465 kc/s	204.8 m	0,2 kW
Courtrai	1483 kc/s	202.3 m	0,2 kW
Hasselt-Limbourg	1465 kc/s	204.8 m	0,2 kW

Shortwave stations:

Ruyselede	17845 kc/s	16.85 m	5 kW
Ruyselede	21450 kc/s	13.98 m	5 kW
Leopoldville	(See Belgian Congo, Africa)		

Daily Programmes in French from Brussels I
Weekdays from 05.30-08.30, 11.00-14.30, 16.00-22.00 (Sat. 23.00).
Sundays from 05.30-23.00. **Brussels IV** *from 05.30-08.30, 11.00-13.30 and 18.00-19.00.*
05.30 Music
05.45 Exercise
06.00 News
06.10 Music
06.45 Exercise
07.00 News, Music
08.10 Symphonic Records
11.08 Music
12.00 News
12.30 Records
13.00 Request Concert (Sund.)
16.10 Musik (Weekdays)
16.30 For Troops (Sundays)
17.00 For Troops (Weekdays)
17.00 For the Youth (Sund.)
17.30 Music (Weekd.)
18.45 News
19.00 Music

21.00 News	21.55 News
21.10 Music	22.00 Dance Music (Sat. and Sun.)

Hainault from 11.00-13.00, 17.10 (Sund. 17.00)-22.00 (Relay and Regional)

Liége from 11.00-1300, 17.10 (Sund. 17.00)-22.00 (Relay and Regional)

Namur Weekdays from 09.00-10.55, 14.00-17.00 on 345 m from 17.00-17.30; Thursd., Frid. and Saturd. also from 19.00-22.00
Sundays from 09.00-10.55, 14.00-17.00 (Relay and Regional) on 345 m from 17.00-19.00

Brussels IV: 05.30-22.00 (Relay and Regional)

Highlights of Programmes: Symphonic Concert: Wednesday at 19.00. Radio Play: Thursday at 19.00. »Notre Cabaret«: Monday at 19.30. Opera: Tuesday at 20.00.

Daily Programmes in Flemish for Brussels II:
Weekdays from 05.30-09.00, 11.00-14.00, 16.00-22.00
Saturdays from 5.30-9.00, 11.00-23.00
Sundays from 05.30-23.00

05.30 Music and Exercise	17.30 For Troops (Weekd.)
06.00 News	17.30 Religious Service (Sun.)
07.00 News	18.00 News. Press Review
07.10 Music	18.30 Non-stop Music (Sund.)
08.00 News	19.00 Music (Weekd.)
08.10 Music	20.00 Topical (Weekd.)
10.45 Radio Journal (Sun.)	20.30 Topical (Sund.)
11.00 Music	21.00 News
12.00 News	21.15 Music
12.15 Music	21.50 News (Weekd.)
16.00 Music (Sund.)	22.00 News (Sun.)
16.05 News. Commentary (Weekd.)	

Brussels III: Regional: 13.00-16.00. Relay Brussels II: 18.00-22.00 (Sund. 23.00)
Ghent/Anvers: From 9.00-22.00
Courtrai: Sund., Tuesd., Thursd. and Friday: 5.45-8.00 and 13.00-18.00. Other days: 5.45-8.00, 13.00-16.00 and 18.00-21.16 (Relay and Regional)
Limburg: Sund., Tuesd., Thursd. and Frid.: 18.00-21.15. Other days 15.00-17.55.

Highlights of Programmes: Symphonic Concerts: Friday at 19.00. — Chamber Music or Choir: Monday at 19.00.

Daily Programmes *on shortwave from Ruyselede:*
Programmes and information to be monitored for use on shortwave by OTC and OTM.
On 13.98 m from 13.00-14.30.
On 16.85 m from 16.00-17.00 and from 21.00-22.00

Announcement in French: "Ici Radiodiffusion Nationale Belge". In Flemish: "Belgische Nationale Radio-Omroep". — For Ruyselede: "Allo Leopoldville — Ici Brussels, Service Mondial de l'. I. N. R.".

Interval-Signal for Brussels I: Extract from Grétry's famous melody "Ou peut-on etre mieux". For Brussels II: The first movement of "Beiaardlied (Extract of Rubens' cantata of Peter Benoit).

Message to Listeners: Reports are answered by letter.

BULGARIA

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Direction de Radiodiffusion, Radio Sofia, Sofia.

Leading Personalities: Director of Bulgarian Broadcasting: Mr. Carlo Lukanov. Director of Programmes: Mr. Tchudomir Petrov. Technical Director: Mr. Gantcho Pushkarov. Chief of Programme and Liaison Dpts.: Mr. Milko Angelov. Chief of Musical Dpt.: Mr. Naydem Naydenov.

Stations:

Radio Sofia I	767 kc/s	391.0 m	15 kW
Radio Sofia II	850kc/s	352.9 m	100 kW
Radio Varna	1276 kc/s	235.1 m	2 kW
Stara Zagora	1402 kc/s	214.0 m	2 kW

Shortwave Stations:

7670 kc/s	39.11 m	5 kW
9310 kc/s	32.22 m	5 kW
9350 kc/s	32.09 m	5 kW
9398 kc/s	31.92 m	5 kW

Daily Programmes:
Sofia I: National
Weekdays: 03.55-07.30, 09.55-13.30 and 15.55-20.50. From 09.55-11.30 daily also 31.92 m.
Sundays from 04.25-08.30, 09.55-13.30, 15.10-20.50.

News: 05.00, 11.30, 18.30, 20.30. *Program Preview:* 03.55, 07.15, 09.55, 15.55. *Press Survey:* 05.00, 10.00.

Sofia II from 15.55-20.30 (Sun., Sat. 21.00).
News: 18.30. *Programme Preview:* 15.55 and 20.25 for the next Day.

Highlights of Programmes for Sofia I:
Symphony Concert: 17.30 Mondays.
The state Radio Choir: 19.10 Tuesdays and Fridays.
Opera from the National Theatre: 17.00 Wednesdays.
The String Quartet Avramov: 19.30 Tuesdays.

Daily news and various features of Bulgarian life from Bulgaria in foreign languages:

On 31.92 m

12.00-12.10 News in Romanian (exc. Su.).
18.50-19.00 Esperanto (on Tuesdays and Fridays).

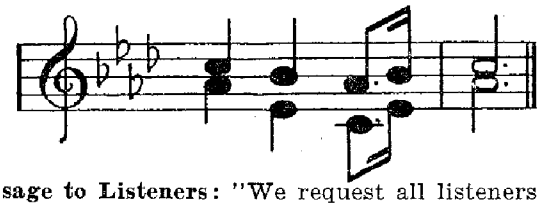
19.00 Russian	19.40 Greek	20.20 French
19.10 Turkish	19.50 Serbo-Croat	20.30 English
19.20 Polish	20.00 Albanian	21.40 French
19.30 Romanian	20.10 Czech.	21.50 English

On 391 m

20.30 Turkish	21.10 Polish	21.30 Czech.
21.00 Russian	21.20 Serbo-Croat	

Announcement: *Opening:* A Bulgarian march and "Govori Sofia, Govori Sofia." In *French:* "C'est Sofia qui parle." In *English:* "This is Radio Sofia calling in the Anglo-American Service of the Bulgarian Broadcasting System."

Interval-Signal: The first notes of a popular song.



Message to Listeners: "We request all listeners to send us reports on the reception of our transmissions. We would appreciate greatly comments, suggestions and criticism. Your reports will be duly acknowledged with a short message in our broadcasts, our QSL card and a letter."

CZECHOSLOVAKIA

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address: Czechoslovak Broadcasting Corporation (Ceskoslovensky rozhlas), Stalinova 12, Praha XII.

Leading Personalities: Director General: Mr. Bohuslav Lastovicka. Director of Administration: Dr. Jaroslav Málek. Director of Programmes: Dr. Mirko Ocadlik. Technical Director: Ing. Ladislaw Janík.

Stations:

Prague	155 kc/s	1935 m	10 kW
Banská Bystrica	392 kc/s	765.3 m	25 kW
Plzen	514 kc/s	583.7 m	15 kW
Prague I (Liblice)	638 kc/s	470.2 m	120 kW
Brno I (Morava)	922 kc/s	325.4 m	100 kW
Bratislava	1004 kc/s	298.8 m	50 kW
Brno II	1063 kc/s	282.2 m	1,5 kW
Prague II (Melnik)	1113 kc/s	269.5 m	60 kW
Ostrava	1158 kc/s	259.1 m	11 kW
Tatry	1172 kc/s	256 m	2 kW
Kosice	1204 kc/s	249.2 m	100 kW
Jihlava	1348 kc/s	222.6 m	5 kW
Ceske Budejivice	1366 kc/s	219.6 m	5 kW
Kosice-mesto	1456 kc/s	206 m	2 kW

Shortwave: Station Podebrady, 30 kW.

OLR 2A	6010 kc/s	49.92 m
OLR 2B	6030 kc/s	49.75 m
OLR 2C	6115 kc/s	49.06 m
OLR 2D	6170 kc/s	48.62 m
OLR 3B	9504 kc/s	31.57 m
OLR 3A	9550 kc/s	31.41 m
OLR 3C	9670 kc/s	31.02 m
OLR 4B	11760 kc/s	25.51 m
OLR 4A	11840 kc/s	25.34 m
OLR 4C	11875 kc/s	25.26 m
OLR 4B	11900 kc/s	25.21 m
OLR 5C	15160 kc/s	19.79 m
OLR 5A	15230 kc/s	19.70 m
OLR 5B	15320 kc/s	19.58 m
OLR 6A	17830 kc/s	16.83 m
OLR 7A	21450 kc/s	13.99 m
OLR 7B	21565 kc/s	13.91 m
OLR 7C	21640 kc/s	13.86 m

Hours of Transmission for Long- and Mediumwave:

Weekdays (except Saturdays):

Prague on Longwave	03.00-06.20, 14.30-15.25, 15.30-17.30
Prague I	03.00-06.20, 07.40-12.15, 13.30-22.00
Prague II	03.00-06.00, 08.00-13.30, 14.30-21.30
Brno I	03.00-06.20, 07.40-12.00, 13.30-21.30
Brno II	12.00-13.30, 15.45-22.00
Bratislava	03.55-06.20, 08.00-12.00, 14.00-21.00
Ostrava	03.00-06.20, 07.40-12.00, 13.30-21.30
Pleu	03.00-06.20, 07.40-12.00, 13.00-20.50
Ceske Budijovice	03.00-06.20, 07.40-12.00, 13.30-21.30

Saturdays:

Prague on Longwave:	03.00-06.20, 14.30-15.25, 15.30-17.30
Prague I	03.00-06.20, 07.40-12.00, 13.00-22.00
Prague II	03.00-06.00, 08.00-13.00, 15.00-22.00
Brno I	03.00-06.20, 07.40-12.00, 13.00-22.00
Brno II	12.00-13.00, 15.45-22.00
Bratislava	03.55-06.20, 08.00-21.00
Ostrava, Plzen and Ceské-Budejovice	03.00-06.20, 07.40-12.00, 13.00-22.00

Sundays:

Prague on Longwave	04.00-15.25, 15.30-17.30
Brno II	06.00-22.00
Other Stations	04.00-22.00 (Bratislava 21.00)

Daily Programmes from Praha (Prague) I:

Weekdays:

03.00 Music
03.05 News
03.20 Music
03.55 Programme Preview
04.00 Home Press Review
04.20 Music
05.00 News
05.15 Programme Preview
05.20 Music
06.00 School Broadcast
06.05 Police Service
07.40 Information for Regional Labour Protection Offices
08.00 School Broadcast
08.30 Water Level
09.00 Broadcast for Women
09.30 Music
10.30 News
10.45 Music
11.00 Broadcast for Agriculturists
11.15 Music
11.45 Talk
13.30 Regional News
13.50 Music
14.30 Cultural Features for Youth and Adults
15.00 Music
15.30 Broadcast for the Army
15.45 Music
15.50 Our Service to the Constructive Work
17.00 News
19.00 Various
20.30 News
20.50 Esperanto (Monday and Thursday)
21.00 Classical Music

Sundays:

04.00 Music
04.55 Programme Preview
05.00 Music
05.45 News
06.00 Thoughts on Philosophy
06.15 Music
06.45 Conversation with Listeners
07.00 Broadcast for the Army
07.30 Music
08.00 Press Review
08.15 Music
08.45 Sunday Talk
09.00 Music
10.00 Bells from St. Vitus Cathedral, a Poem
10.05 Music
11.00 News
11.30 Children's Broadcast
12.00 Music
12.30 Broadcast for Agriculturists
13.00 Various
16.00 Evening Social
17.00 News
18.00 Various
20.30 News
21.00 Classical Music

Daily Programmes from Praha (Prague) II:

Weekdays:

03.00 P. I
03.40 To our Miners
04.00 P. I
04.15 Gymnastics
04.30 Broadcast for Agriculturists
04.45 Trade Union Informatiion
05.00 P. I
05.15 Programme Preview
05.20 P. I
08.00 Music
10.15 Trade Union Information
10.30 P. I
10.45 Music
11.45 Broadcast for Industry,Commerce and Trade
12.00 Music
13.00 Various
16.00 Industry, Commerce
16.10 Cultural Observer
16.45 Trade Union Information
17.00 P. I
17.20 Various
20.30 P. I
20.50 Music, Poetry.

Sundays:

04.00 P. I
06.15 Music
07.30 Sunday Talk, Music
08.15 Lecture, Music
09.00 Broadcast for Women
09.15 Music
11.00 P. I
12.00 Women's Sunday Party
12.30 Various
17.00 P. I
17.10 Various
20.30 P. I
20.50 Music

Daily Programmes from Brno I:

Weekdays: 05.15 Programme Preview. — 16.00 Moravian Sound Journal (also Sun).

Sundays: 04.50 Programme Preview. — 10.00 Bells from the Vitus Cathedral.

Daily Programmes on Shortwave

From 04.00-04.20 on Weekdays 6010 kc/s 49.92 m
Home News

From 08.00-08.15 on Sundays 11840 kc/s 25.34 m
Home News

From 10.00-10.30 on Weekdays 11840 kc/s 25.34 m
News for Legations

From 14.15-15.20 on Weekdays	15320 kc/s	19.58 m
	News for Legations	
From 15.25-18.10 Daily	11760 kc/s	25.51 m
	Foreign Languages	
From 18.15-22.00 Daily	9550 kc/s	37.41 m
	Foreign Languages	
From 23.55-01.00 Daily (in Czech, Slovak and English)	11760 kc/s	25.51 m
	Programme for North America	

News in Foreign Languages

On 11760 kc/s 25.51 m

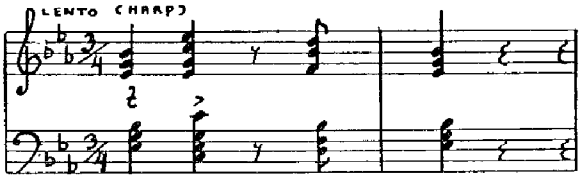
15.30 Esperanto	17.00 German (for Austria)
15.45 Lusitanian	17.15 Hungarian
16.00 Russian	17.30 Rumanian
16.15 Bulgarian	17.45 English
16.30 Serbian, Croatian	18.00 Russian
16.45 Polish	

On 9550 kc/s 31.41 m

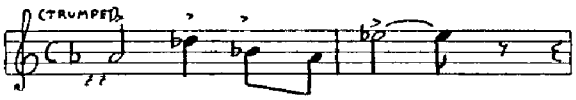
18.15 Bulgarian	20.15 Italian
18.30 Spanish	20.30 Spanish
18.45 Polish	20.45 Scandinavian
19.00 German	21.00 Esperanto
19.15 French	21.15 French
19.30 Serbian, Croatian	21.30 Spanish
19.45 English	21.45 English
20.00 Russian	

Announcement: "Announcements are made in the language of the broadcast. In English on Shortwave: "Good evening everybody. This is the Voice of Czechoslovakia. Prague calling English speaking friends everywhere". At the middle of the broadcast: "This is Prague calling, you are listening to our quarter hour programme in English, which is broadcast every day at this time."

Interval-Signal: *Praha I:* The beginning of the symphony poem "Vysehrad" by Smetana, played by harp.

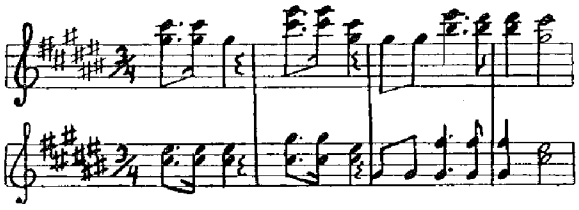


Praha II: Fanfare of the march. "The new life" by Josef Suk, played by trumpet.



Bratislava: Fanfare of a march (Pochod), by Jan Cikker, played by three trumpets.

Brno I: The folk song: "Moravo, Moravo", played by a carillon.



Ostrava: Moravian dance: "Pilky", by L. Janacek, played by carillon.

Ceske Budejovice: The folk song "The Putim Gate", played by two oboes.

Kosice: The folk song: "Mountain Pastures" played by two piccolos.

Plzen: Smetana's Polka, played by Nesbehstein electr. Piano.

Brno II: Janacek's Synfonietta played by trumpet.

Shortwave-stations: As Praha II.

Message to listeners: "All letters sent to us from our listeners at home and abroad receive careful consideration and all reception reports are duty noted. Verification cards are sent to all whose reports have been found correct."

DENMARK

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address: The Danish State Radio, Radiohuset, Rosenørnsalle 22, Copenhagen.

Leading Personalities: Director: Mr. F. E. Jensen, Chief of Administration: Mr. A. C. Nielsen, Chief of Music Department: Mr. Peder Gram, Chief of Talks Dept.: Mr. K. B. Andersen, Chief of Literary Dept.: Mr. Hans Werner, Chief of Reportage Dept.: Mr. Aksel Dahlerup, Chief of Information Dept.: Mr. Paul Berg, Chief of News Dept.: Mr. N. Grunnet, Chief of Short Wave Dept.: Mr. Jens Rosenkjær.

Stations:

Kalundborg		240 kc/s	1250 m	60 kW
Copenhagen		1176 kc/s	255 m	30 kW
Herstedvester	OZF	9520 kc/s	31.51 m	50 kW
Herstedvester	OZH2	15165 kc/s	19.77 m	50 kW

Daily Programmes:

Weekdays: 04.15-21.30. *Sundays:* 06.00-21.30

04.15 News (Weekd.)	13.00 Music
04.50 Ship Positions	14.20 Children's Hour
05.00 Exercise (Weekd.)	15.00 Talk, Music
05.35 Records (Weekd.)	Weather
06.00 News, Music	15.30 News, Bourse
06.05 Morning Service	16.00 Languages Lessons
06.55 Weather	Programme Preview
07.00 Exercise	16.45 News
08.15 School Broadcast	17.00 Topical hour
09.45 Weather	17.15 Talk, Play or Music
10.00 Music	20.00 News
10.30 News	20.15 Music
12.00 Talk, Music	

Highlights of Programmes:

Symphony-Concert: Thursdays from 4/9-15/4 at 18.00 exc. the last *Thursday* in every month.

Popular Concert: Sundays from 14.00-15.30 September to April exc. the week with no Thursday-Concert; then the concert takes place on *Tuesday* evening from 18.00-19.30.

Plays: Every *Friday* until 20.00.

Topical Hour: Daily from 17.00-17.15 — recording from events of the day.

Daily Programmes on Shortwave:

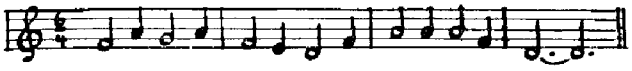
The frequencies, hours of transmission for the new short wave transmitter is not finally fixed at present. — It is expected that the new programme schedule will start in the course of August.

To North America on 15165 kc.

To Latin America on 15165 kc.
To East on 15165.
To Europe on 9520.
To Greenland on 15165 kc.

Announcement: "Danmarks Radio, København-Kalundborg".

Interval-Signal: From an old Danish folksong



Daily at 10.00 and 18.00: The Chimes of the Town Hall building in Copenhagen are heard.

Message to Listeners: The Danish State Radio is very interested in receiving reports from listeners all over the world about programmes and reception conditions, and will to the greatest extent possible try to get in touch with countrymen and other interested listeners abroad in an endeavour to arrange the best possible shortwave-service. Reports answered by letter.

EIRE

Normal Clock Time — G. M. T.
Summer Time (until 2/10) — G. M. T. plus 1 hour.

Address: Radio Eireann, General Post Office, Dublin, Ireland.

Leading Personalities: Director: Mr. Robert Brennan. Overseas Director: Mr. Charles E. Kelly. Deputy Director: Mr. R. O. Farachain, M. A. Staff Administrative Officer: Mr. A. Mac Giolla Iosa. Music Director: Capt. M. A. Bowles. Productions Director: Mr. H. L. Morrow. Staff Engineer: Mr. J. E. Lyons. Producer: Mr. Micheal O. hAodha.

Stations:

Athlone	565 kc/s	531,0 m	100 kW
Cork	1240 kc/s	241,9 m	1 kW
Dublin	1348 kc/s	222,6 m	2 kW
Athlone	9595 kc/s	31.27 m	1,5 kW
Athlone	11740 kc/s	25.55 m	1,5 kW
Athlone	17840 kc/s	16.82 m	1,5 kW
Athlone	15120 kc/s	19.84 m	1,5 kW (inactive)

Daily Programmes on all medium waves from 12.00 (Sun. 11.00)-13.30 and 16.30-22.30.

12.00 Music
12.30 News (Weekd.)
12.40 Music (Weekd.)
17.30 News
17.50 Programme Preview (Weekd.)
18.15 "Radio Digst" (Sun.)
19.15 "Question Time"
21.00 News in Irish
21.10 News (Weekd.)
21.30 Hospital's Trust Sponsored Programme

Announcement: "Radio Eireann". At closing down is played the National Anthem: "The Soldiers Song".

Interval-Signal: Opening bars of "O'Donnell Abu".

Message to Listeners: "Listeners letters on the quality of reception are always welcome, and we welcome the comments of listeners on the content of the programmes. Letters are answered by QSL card.

FINLAND

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: OY Yleisradio Ab., Fabiansgatan 15, Helsinki.

Leading Personalities: General Manager: Hella Wuolijoki. Second Director: Mr. O. Toivonen. Director of Finnish Programmes: Mr. J. Koskiluoma. Director of Swedish Programmes: Mr. R. Ölander. Chief Engineer: Mr. Juho Rissanen. Director of Administration: Mr. Einar Sundström.

Stations: Long- and mediumwave.

Lahti	160 kc/s	1875 m	150 kW National
Turku (Åbo)	895 kc/s	335.2 m	40 kW National
Helsinki I (Helsingfors)	1420 kc/s	211.3 m	10 kW National
Vaasa (Vasa)	1522 kc/s	197.0 m	10 kW Reg. and Relay
Kuopio	527 kc/s	569.0 m	20 kW Reg. and Relay
Oulu (Uleåborg)	433 kc/s	693.0 m	10 kW Reg. and Relay
Pietersaari (Jakobstad)	1500 kc/s	200.0 m	1 kW Reg. and Relay
Tammisaari (Ekenäs)	1500 kc/s	200 m	0,2 kW Reg. and Relay
Tampere (Tammerfors)	1492 kc/s	201.0 m	1 kW Reg. and Relay
Pori (Bjørneborg)	1429 kc/s	210.0 m	1 kW Reg. and Relay
Joensuu	310 kc/s	968.0 m	1 kW Reg. and Relay

Shortwaves:

Helsinki II	OIX7	6120 kc/s	49.02 m	10 kW
Lahti	OIX2	9500 kc/s	31.58 m	15 kW
Pori	OIX4	15190 kc/s	19.75 m	15 kW
Helsinki III	OIX5	17800 kc/s	16.85 m	15 kW

Daily Programmes for Lahti (National)
Weekdays: 04.00-05.00, 08.50-10.00, 15.30-21.00 (Saturdays 22.00)
Sundays: 05.45-21.00.

Sundays:
05.45 Music
06.30 News in Finnish
06.40 News in Swedish
06.50 Music
08.00 Religious Service (Finnish)
09.25 Swedish Lesson
09.40 Programme Preview (Finnish)
09.45 Music
10.30 News in Finnish
10.40 News in Swedish
10.50 Programme Preview (Swedish)
11.00 Religious Service (Swedish)
12.20 English Lesson
12.35 Music and Various
14.40 Talking Newspaper
16.00 Records
17.00 News in Finnish
17.15 News in Swedish
17.30 Music and Various
20.00 News in Finnish
20.10 News in Swedish
20.20 Music and Various

Weekdays:
04.00 News in Finnish
04.15 News in Swedish
04.25 Morning Prayer (Swedish)
04.45 Morning Prayer (Finnish)
08.00 Religious Service (Finnish)
09.00 Records and Various
09.40 Programme Preview
10.00 The Bells of the Åbo Cathedral
10.15 Newspaper Review
10.30 News in Finnish
10.40 News in Swedish
10.50 Rates or Securities
15.30 Records and Various
16.50 Today . . . (Finnish)
17.00 News in Finnish
17.15 News in Swedish
17.30 Various
20.00 News in Finnish
20.15 News in Swedish

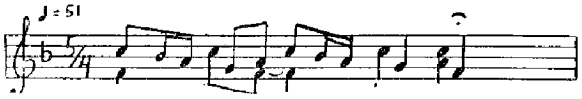
Highlights of Programmes: The principal concerts of the Radio Orchestra are on *Sundays, Tuesdays* and *Thursdays,* the times varying between 18.25 and 20.00.

Shortwaves (only Weekdays)

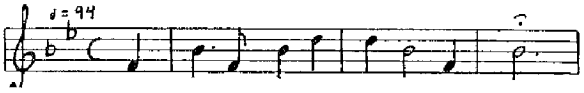
04.00-05.00	Relay Mediumwave	31.58 - 19.75 - 16.85 - 49.02 m
08.50-09.50	Relay Mediumwave	31.58 - 19.75 - 16.85 - 49.02 m
09.50-11.00	Relay Mediumwave	31.58 - 19.75 - 16.85 - 49.02 m
12.15-12.25	English Progr.	31.58 - 19.75 - 16.85 - 49.02 m
15.30-16.50	Relay Mediumwave	31.58 - 16.85 - 49.02 m
16.50-17.45	Relay Mediumwave	31.58 - 19.75 - 16.85 - 49.02 m
17.45-17.55	French Programme	31.58 - 16.85 m
17.55-19.40	Relay Mediumwave	31.58 - 16.85 - 49.02 m
19.40-21.00	Relay Mediumwave	31.58 - 19.75 - 16.85 - 49.02 m
22.05-22.15	French Programme	31.58 - 19.75 - 16.85 - 49.02 m
00.25-00.35	English Progr.	31.58 - 16.85 - 49.02 m

Announcements: *Finnish Programme:* "Suomen Yleisradio" followed by programme announcement over all stations. *Finnish and Swedish Programme:* "Suomen Yleisradio, Finlands Rundradio" over Helsinki, Åbo, Vasa and Jakobstad.

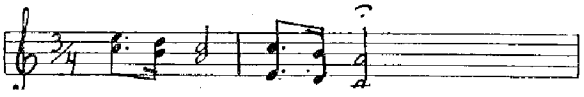
Interval-Signals: Every weekdays at 08.45: Normal-a.
Lahti: A fragment of the song "Tavastland" by Palmroth before transmission from the Lahti Studio.
Lahti and Helsinki: The interval signal is based on an old Finnish Melody "Kantelemelody".



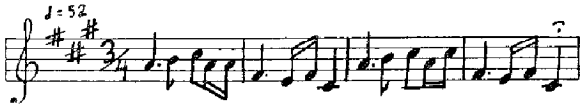
Åbo: A fragment of the anthem of St. Henriks.
Vasa: The first notes of "Vasa March" by Karl Collan.



Kuopi: The first notes of a well-known song about the beauty of "Kallavesi".



Uleåborg: Lapp yodelling.



Jakobstad: A fragment of "Österbotten" by Moring.
Tammerfors: A fragment of the popular song: ::På Tammerkoski bro."
Bjørneborg: The first notes of "Bjørneborgerne's March".
Joensuu: The first notes of "Karelarna's song".

Message to Listeners: "The Finnish Broadcasting Corporation is interested in hearing from listeners all over the world and reception reports from listeners will be much appreciated and answered by QSL-card."

FRANCE

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Radiodiffusion Francaise, Secretariat d'Etat a l'Information, Relations Exterieures, 116 bis Champs-Elysées, Paris.

Leading Personalities: President: Mr. P. Rivet. Director General: Mr. W. Porche. Director of Administration: Mr. I. Meyer. Director of Programmes: Mr. P. Gilson. Director of Shortwave Transmissions: Mr. J. Manachem. Technical Director: Mr. Leschi.

Stations:

National Network:

Limoges I (Nieul)	648 kc/s	463.0 m	100 kW
Paris I (Villebon)	695 kc/s	431.7 m	100 kW
Marseille I (Realtort)	749 kc/s	400.5 m	20 kW
Quimper-Quimerch	832 kc/s	360.6 m	10 kW
Grenoble II	832 kc/s	360.6 m	0,05 kW
Strasbourg I (Brumath)	859 kc/s	349.2 m	20 kW*)
Lyon I (Tramoyes)	895 kc/s	335.2 m	100 kW
Toulouse I (Muret)	913 kc/s	328.6 m	100 kW
Nancy I	959 kc/s	312.8 m	20 kW
Rennes I (Alma)	1040 kc/s	288.6 m	20 kW
Dijon I	1068 kc/s	280.9 m	0,2 kW
Nimes	1068 kc/s	280.9 m	2 kW
Bordeaux (Néac)	1077 kc/s	278.6 m	100 kW
Montbeliard	1158 kc/s	259.1 m	10 kW
Montpellier II	1158 kc/s	259.1 m	0,05 kW
Nice (La Brague)	1185 kc/s	253.1 m	60 kW
Lille I (Camphin)	1213 kc/s	247.3 m	20 kW
Clermont (Ennezat)	1321 kc/s	227.1 m	20 kW
Montelimar	1348 kc/s	222.6 m	1 kW
Perpignan	1348 kc/s	222.6 m	1 kW

*) Special Programme.

Parisienne Network:

Paris II (Romainville)	776 kc/s	386.6 m	10 kW
Pau (Billere)	968 kc/s	309.9 m	20 kW
Limoges II (Nieul)	1339 kc/s	224.0 m	20 kW
Marseille II (Realtort)	1339 kc/s	224.0 m	10 kW
Lyon II (Dardilly)	1339 kc/s	224.0 m	25 kW
Toulouse II (Muret)	1339 kc/s	224.0 m	20 kW
Nancy II	1339 kc/s	224 m	10 kW
Poitiers	1348 kc/s	222.6 m	1 kW
Nantes (Montbert)	1366 kc/s	219.0 m	10 kW
Bordeaux I (Carrere)	1393 kc/s	215.4 m	40 kW
Nice II (Antibes)	1393 kc/s	215.4 m	25 kW
Dijon II	1393 kc/s	215.4 m	20 kW
Grenoble I	1393 kc/s	215.4 m	20 kW
Montpellier I	1393 kc/s	215.4 m	10 kW
Rouen (Louvetot)	1393 kc/s	215.4 m	20 kW
Strasbourg II (Brumath)	1393 kc/s	215.4 m	10 kW
Rennes (Thourie)	1393 kc/s	215.4 m	24 kW
Lille II (Camphin)	1456 kc/s	206.0 m	1,5 kW
Saint-Brieuc	1456 kc/s	206.0 m	0,05 kW
Clermont-Ennezat	1456 kc/s	206.0 m	1 kW

Paris Inter:

Paris III	610 kc/s	491.8 m	2,5 kW
Paris III	6200 kc/s	48.39 m	2,5 kW

Weekdays from 05.50-23.15. *Sundays* from 06.30-23.15. Relayed on 48.30 m from 11.15-14.20.

Radio Sorbonne:

University Broadcast on	1.429 kc/s	209.8 m	1 kW

Shortwave Stations:

Allouis OC V	21740 kc/s	13.80 m	100 kW
Allouis OC III	21490 kc/s	13.96 m	100 kW
Muret OC II	17850 kc/s	16.81 m	100 kW
Allouis OC V	17810 kc/s	16.84 m	100 kW
Muret OC II	17780 kc/s	16.87 m	25 kW
Muret OC I	17765 kc/s	16.89 m	25 kW
Realtort OC II	15350 kc/s	19.54 m	25 kW
Realtort OC I	15295 kc/s	19.62 m	25 kW
Allouis OC I	15240 kc/s	19.68 m	100 kW
Allouis OC V	15130 kc/s	19.83 m	100 kW
Allouis OC III	15100 kc/s	19.87 m	100 kW
Muret OC II	11885 kc/s	25.24 m	25 kW
Allouis OC V	11870 kc/s	25.27 m	100 kW
Muret OC I	11845 kc/s	25.33 m	25 kW
Allouis OC I	11730 kc/s	25.58 m	100 kW
Allouis OC III	11720 kc/s	25.60 m	100 kW

Allouis OC I	11700 kc/s	25.64 m	100 kW
Allouis OC I	9685 kc/s	30.98 m	100 kW
Realtort OC II	9675 kc/s	31.01 m	25 kW
Realtort OC I	9620 kc/s	31.19 m	25 kW
Allouis OC IV	9585 kc/s	31.30 m	100 kW
Allouis OC III	9570 kc/s	31.35 m	100 kW
Les Essarts	9560 kc/s	31.39 m	100 kW
Allouis OC I	9550 kc/s	31.41 m	100 kW
Allouis OC IV	9540 kc/s	31.45 m	100 kW
Allouis OC I	9520 kc/s	31.51 m	100 kW
Allouis OC V	9515 kc/s	31.53 m	100 kW
Allouis OC I	7280 kc/s	41.21 m	100 kW
Realtort OC I	7270 kc/s	41.27 m	100 kW
Realtort OC II	7240 kc/s	41.44 m	100 kW
Allouis OC I	6200 kc/s	48.39 m	100 kW
Allouis OC IV	6175 kc/s	48.58 m	100 kW

HOME PROGRAMMES

Daily Programmes for National Network:
Sundays from 06.27-22.45.
Mondays, Thursdays and Saturdays from 05.30-09.15 and 11.00-22.45 (Saturdays 23.15). *Tuesdays, Wednesdays and Fridays* from 05.30-09.15, 11.00-13.30 and 17.30-22.45.

Sundays.
06.30 Music
06.54 Programme Preview
07.00 News Press Review
07.20 "Chronique Philatelique"
07.30 Religious Service
08.00 News (Edition Parisienne)
08.35 "Divers Aspects de la Pensée Contemporaine"
08.50 "Courrier des Auditeurs"
09.00 "Grand Messe"
10.00 Music
12.00 News
13.00 News
13.05 Theatre
15.33 Music
19.00 News, Commentary
20.45 Music
22.30 News

Weekdays:
05.30 News, Music
06.00 News
07.00 News (Edition Parisienne)
08.00 News from French colonies. Press Review
08.15 "Heure de Culture française"
11.00 Light Music
12.00 News. Review of Foreign Press
12.15 Music
13.00 News
19.00 News, Commentary,
22.30 News

Highlights of Programmes:
Theatre: c. 19.30 Saturdays.
Opera: c. 19.30 Fridays.
National Orchestra: c. 19.30 Thursdays.
Symphony Concert: c. 20.45 Wednesdays.
Variety: c. 19.30 Mondays.

Daily Programmes for Parisienne Network:
Weekdays from 11.00-13.00 and 17.30-22.30 (Sat. 23.00).
Sundays from 07.00-22.55.

Weekdays:
11.30 "Actualities de Paris"
11.50 "Télé Paris"
12.05 Music
19.00 Programme Preview
19.05 Music
19.30 "Tribune de Paris"
21.30 News

Sundays:
07.00 Records
07.37 Programme Preview
07.40 "Souvenirs et Chansons"
08.17 "Le Disque des Auditeur"
10.50 "Le Magazine de la Radio"
17.30 "A Vos Ordres" from U.S.A.
18.30 "Ce Soir en France", relayed by U.S.A.
11.30 "Actualités de Paris"
11.50 Music
12.20 Theatre
17.30 "A Vos Ordres" from U.S.A.
18.00 Records
18.30 "Ce Soir en France"
19.05 "Academie Joyeuse"
19.30 "Tour du Monde autour d'une Table"
20.20 "Carte blanche"
21.15 Theatre

"Ce soir en France" is an international transmission of "Journal parlé" (news). All point of views concerning the news in "Le Journal parlé" and mention of most important personalities of the day.

"Actualités de Paris", consists of News from Paris and the World, commentaries and Paris entertaintment.

Highlights of Programmes:
"Symphony Concert": c. 19.50 Mondays.
Orchestra or Opera: c. 19.50 Wednesdays.
"Surprise Partie": 21.45 Saturdays.

Announcement: Opening and close down with a fragment of "Marseillaise" respectively followed by the announcement: "Radiodiffusion Française".

The News opens with fragments of the symphony from a French song composed by Vincent d'Indy, and ends with a motive from "Marseillaise".

EUROPEAN SERVICE

Daily Programmes from 11.30-11.45 and 16.30-22.30.

11.30-11.45	To Greece	on 19.68 m
16.30-17.00	To Poland (only Tuesd., Wednesd. a. Thursd.)	on 247.30 m
17.00-17.15	To Czechoslovakia	on 41.21 m
17.15-17.30	In Esperanto	on 41.21 m
17.30-17.45	To Italy	on 41.21 m
17.45-18.15	To Poland	on 41.21 m
18.00-18.15	To Finland	on 31.38 m
18.45-19.00	To Belgium	on 247.30 m
18.45-19.15	To Czechoslovakia	on 41.21 m
19.15-19.45	To Hungary	on 41.21 m
19.45-20.15	To Germany	on 41.21 m
20.15-20.45	To Portugal	on 41.21 m
21.30-22.00	To Holland	on 247.30 m
21.30-22.30	To Great Britain	on 463.00 m
21.30-22.30	To Spain	on 328.60 m

On *Shortwave* is announced: "Ici Radio Paris, Radiodiffusion Française" in French and other Languages.

OVERSEAS SERVICE

Address: Emissions vers la France d'Outre Mer, 118 Champs-Elysées Paris.

Daily Programmes:

Every Programme consists of "Le Journal de Paris" and "Le Magazine de France".

00.00-00.30	To South America	on 19.68 m
00.45-01.00	To North America	on 25.64 m and 31.41 m
00.45-01.15	To New Caledonia	on 19.68 m
02.15-02.30	To North America	on 25.64 m and 31.41 m
04.00-04.30	To Madagascar	on 19.68 m and 31.41 m
05.30-06.00	To Tahiti	on 25.64 m and 31.41 m
06.45-07.45	To A.O.F, A.E.F.	on 16.81 m and 19.68 m
13.45-15.15	To Indochina	on 16.81 m and 19.68 m
16.15-17.15	To Madagascar	on 16.81 m and 19.68 m
18.15-18.45	To Near East Tuesd. to Egypt, Wednesd. to Turkey, Thursdays to Lebanon, Frid. to Iran and Saturd. to Palestine	on 19.68 m
20.00-21.30	To A.O.F., A.E.F	on 19.68 m and 30.98 m
22.15-23.45	To Antilles Guyana	on 19.68 m and 31.41 m

Announcement: "Allo . . . (name of area) Paris vous parle".

Message to Listeners: Reports are answered by QSL-card.

GERMANY

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Stations:

Berlin	Russian Z.	191 kc/s	1571 m	120 kW
Bremen	American Z.	527 kc/s	569 m	2,5 kW
Kaiserslautern	Südwestfunk	530 kc/s	566 m	2 kW
Potsdam	Russian Z	564 kc/s	531 m	1,5 kW
Dresden	Russian Z	564 kc/s	531 m	1,5 kW
Stuttgart	American Z.	574 kc/s	522 m	100 kW
Frankfurt	AFN	601 kc/s	492 m	10 kW
Berlin RIAS	American Z.	629 kc/s	477 m	20 kW
Leipzig II	Russian Z	722 kc/s	415 m	120 kW
Munich	American Z.	740 kc/s	405 m	100 kW
Leipzig	Russian Z.	785 kc/s	382 m	120 kW
Baden-Baden	Südwestfunk	827 kc/s	362 m	1,5 kW
Freiburg	Südwestfunk	827 kc/s	362 m	18 kW
Sigmaringen	Südwestfunk	827 kc/s	362 m	5 kW
Berlin	Russian Z.	841 kc/s	356 m	100 kW
Hamb.-Cologne	NWDR	904 kc/s	331 m	100 kW
Nuremberg	American Z.	950 kc/s	315 m	3 kW
Koblenz	Südwestfunk	1031 kc/s	291 m	50 kW
Erfurt	Russian Z.	1031 kc/s	291 m	20 kW
Berlin	BFN	1095 kc/s	274 m	1 kW
Elmshorn	BFN	1095 kc/s	274 m	10 kW
Hannover	BFN	1095 kc/s	274 m	10 kW
Langenberg	BFN	1095 kc/s	274 m	20 kW
Frankfurt	American Z.	1195 kc/s	251 m	60 kW
Schwerin	Russian Z.	1231 kc/s	243 m	20 kW
Munich-Stuttg.	AFN	1249 kc/s	240 m	20 kW
Kassel	American Z.	1267 kc/s	236 m	0,5 kW
Halle	Russian Z.	1303 kc/s	230 m	20 kW
Hannover	NWDR	1330 kc/s	225 m	20 kW
Berlin	NWDR	1330 kc/s	225 m	5 kW
Flensburg	NWDR	1330 kc/s	225 m	2,5 kW
Saarbrücken	French Z.	1348 kc/s	222 m	2 kW
Herfort	BFN	1366 kc/s	219 m	20 kW
Beyreuth	AFN	1411 kc/s	213 m	10 kW
Berlin	AFN	1420 kc/s	211 m	1 kW
Bremen	AFN	1429 kc/s	209 m	2,5 kW
Bremerhaven	AFN	1500 kc/s	200 m	0,1 kW
Berlin	Russian Z.	6070 kc/s	49.42 m	5 kW
Elmshorn	NWDR	6115 kc/s	49.04 m	25 kW
Munich	American Z.	6160 kc/s	48.70 m	1 kW
Stuttgart	American Z.	6180 kc/s	48.54 m	10 kW
Frankfurt	American Z.	6190 kc/s	48.47 m	1 kW
Baden-Baden	Südwestfunk	6321 kc/s	47.46 m	1 kW
Berlin/Leipzig	Russian Z.	9730 kc/s	30.83 m	12 kW

Relay-Stations:

Munich III Relay f. USA.	American Z.	6080 kc/s	49.34 m	85 kW[1])
Munich II Relay f. USA.	American Z.	9540 kc/s	31.45 m	85 kW[1])
Munich I Relay f. USA.	American Z.	11870 kc/s	25.27 m	85 kW[1])
Munich IV Relay f. USA.	American Z.	15150 kc/s	19.80 m	85 kW[1])
Munich IV Relay f. USA.	American Z.	7250 kc/s	41.38 m	85 kW[1])
Norden Relay f. BBC.	British Z.	657 kc/s	456 m	100 kW[2])
Berlin Relay f. Mosc.	U. S. S. R.	191 kc/s	1571 m	100 kW[3])

[1]) See U.S.A. [2]) See Gr. Brt. [3]) See USSR.

American Zone

AMERICAN FORCES NETWORK

Address: American Forces Network, Public Information Office, APO 757, U. S. Army, Frankfurt.

Leading Personalities: Chief: (Successor to Major William E. Rigel unnamed to date); Excutive Officer: Capt. Herbert F. Sammis; Chief of Operations: Mr. Louis Adelman; Program Supervisor: Mr. Bruce L Wendell; Technical Supervisor: Mr. Walter R. Cleary; News Chief: Mr. William Murray; Public Information Director: Miss Kris G. Kritikos; AFN-Berlin Station Manager: Capt. George B. Morgan; AFN-Bremen Station Manager: Capt. Joseph H. Gigandet; AFN-Munich and -Stuttgart Manager: Capt. Barney Irwin.

Stations:

Munich/Stuttgart	1249 kc/s	240.2 m	200 kW
Frankfurt	601 kc/s	492.0 m	10 kW
Bayreuth	1411 kc/s	213.0 m	10 kW
Berlin	1420 kc/s	211.3 m	1 kW
Bremen	1429 kc/s	209.0 m	2,5 kW
Bremerhaven	1500 kc/s	200.0 m	0,05 kW

Daily Programmes: 04.00-22.00.

04.00	Record Show	14.00	News (s)
04.30	News	14.02	Outpost Concert
05.45	Personal Album	14.55	Programme Highlights
06.00	Fred Waring (ss)	15.45	Vespers (s)
06.30	Music	16.00	World and Home News (s)
07.00	Musical Scrapbook (Sun.: Progr. Preview)	16.30	AFN Spotlight on Sports
07.30	Bandstand (s)	19.00	Report of Europe (Sun.: News)
09.30	Melody Roundup (ss)	19.30	AFN Playhouse (ss)
09.45	At Ease (ss)	20.50	News (s)
10.00	News	21.00	Music
11.45	Remember (ss)	21.58	News
12.00	News (s)		
12.30	Music		

(s) means *Daily exc. Sundays*
(ss) means *Daily exc. Saturdays and Sundays*

Announcement for Frankfurt, Bremen and Shortwave: "This is the American Forces Network serving American Forces in Europe."

Interval-Signal: Time pips every hour on the hour. Broadcasting commences and concludes with the National Anthem.

Message to Listeners: Reports are welcome and are answered with special QSL cards.

RADIO BREMEN

Address: Schwachhauser Heerstrasse 363, Bremen.

Leading Personalities: Intendant: Mr. Walter Geerdes. Director of Programmes: Mr. Karl O. Koch.

Station: Bremen. 527 kc/s 569 m 2,5 kW

Daily Programmes:
Weekdays: 04.30-07.05, 10.00-12.00, 15.00-21.00
Saturdays: 04.30-07.05, 10.00-21.00
Sundays: 05.00-21.00

Weekdays:

04.30	Music	15.00	News, Progr. Preview
05.00	News	15.15	Music
06.15	Programme Review	17.00	The Voice of USA
07.00	News	17.30	Music
10.00	News, Progr. Preview (exc. Sund.)	17.45	"Rundschau am Abend" (exc. Sun.)
10.15	Music	18.00	News
11.15	"Rundschau am Mittag" (exc. Sund.)	18.15	Music and Various
		20.50	News, Progr. for the next day

Highlights of Programmes:

Opera: 18.45 Thusdays — *Symphony Concert* 16.00 Sundays, 19.15 Wednesdays — *Chamber Music:* 18.15 Tuesdays — *Radio Theatre:* 19.15 Mondays.

Announcement: "Hier ist Radio Bremen".

Interval Signal: The notes b-d-e.

Signature Tune: Orchestra-Fanfare.

Message to Listeners: Letters and reports from listeners are answered by letter: return-postage not necessary.

RADIO FRANKFURT

Address: Radio Frankfurt, Information Control Division, Radio Branch A. P. O. 757, U. S. Army, 10/33 Eschersheimerlandstrasse, Frankfurt-on-Main.

Leading Personalities: German Intendant: Eberhard Beckmann. Chief Radio Branch Capt. Inf.: Herbert C. Gross.

Stations:	Frankfurt	1195 kc/s	251 m	60 kW
	Kassel	1267 kc/s	236 m	½ kW
	Frankfurt	6190 kc/s	48.47 m	1 kW

Daily Programmes: Weekdays: 04.00-07.45, 09.15-13.10 and 14.00-22.00. Sundags, Fridays and Saturdays: 04.30-22.00.

Weekdays:
04.30 News
05.00 "Rundschau auf dem Hessenland"
05.15 Music, Programme Preview
07.00 News from Germany
07.15 "Suchmeldungen"
09.15 School-Broadcast
09.45 "Der Hessische Landbote"
10.00 Music
10.35 "Rundschau aus dem Hessenland"
10.45 News
11.00 Music
12.15 School-Broadcast
12.45 "Kindersuchlienst"
14.00 Music
15.45 News
17.00 The Voice of U. S. A.
17.30 Programme Preview and Music
17.45 "Rundschau aus dem Hessenland"
18.00 News
21.00 News
21.15 Music (ex. Wednesd.)

Sundays:
04.30 News
04.45 Music
05.00 "Rundschau aus dem Hessenland"
05.15 Music, Programme Preview
06.45 "Deutchlandspiegel"
07.00 Religious Service
07.45 Programme Preview
08.30 Music
09.45 "Der Hessische Landbote"
10.00 Music
10.35 "Rundschau aus dem Hessenland"
10.45 News
11.15 Programme Preview for the next Week
11.30 News on Pris. of War Music
13.00 Letters from Listeners
13.30 Symphonic Concert
14.45 Topical
17.00 The Voice of U. S. A.
17.45 "Rundschau aus dem Hessenland"
18.00 News
18.15 Music
20.30 Music
21.00 News

Highlights of Programmes:
Opera: 18.15 Wednesdays
Symphony Concert: 18.15 Thursdays
Theatre: 18.15 Fridays

Announcement: "Hier ist Radio Frankfurt, ein Sender der Militärregierung".

Interval-Signal:

Message to Listeners: "We call the listeners' attention *to a special programme at 21.15 every Wednesday and* 13.10 Fridays running approximately 30 minutes during which we give our programme for the next week at dictation speed."

RADIO MUNICH

Address: Radio München, Radio Control Branch, Office of Military Government for Bavaria, Information Control Division, Rundfunkplatz 1, Munich.

Leading Personalities:
American Control Officers: Mr. Edmund Schechter, Chief of Branch, Mr. Brill, Deputy Chief; Lt. Col. Brickson; Mr. Gruenfeld, Production and Traffic Manager; Mr. Lynd, Continuity.
German Heads: Dr. Hoppichler, Administration, Mr. Zaeckel, Intendant, Mr. Rudolf v. Scholtz.

Stations:

Munich	740 kc/s	405,4 m	100 kW
Nuremberg:	950 kc/s	315,8 m	3 kW
Munich	6160 kc/s	48,7 m	1 kW

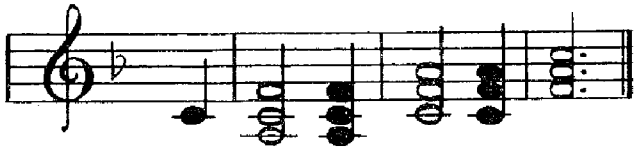
Daily Programmes: *Weekdays* (exc. Sat.) 04.00-12.10, 13.30-23.00. Saturdays and Sundays 04.00-23.00.

Weekdays:
04.00 Music
04.30 News
05.45 Programme Preview
06.00 Music
06.45 News
07.00 Music
07.15 "Suchdienst"
07.45 Music
08.15 "Schulfunk"
08.45 Music
09.30 "Kindersuchdienst"
10.00 Music
11.00 News
11.30 Music
12.00 Announcements
13.30 School Broadcast (not. Saturd.)
14.00 For Children (not Saturd.)
14.15 Music
15.00 News
15.15 Music (Saturd.: Der Hörer hat das Wort)
16.30 Music
17.00 The Voice of USA
17.30 Music
18.00 News
18.15 Music and Various
21.00 News
21.15 Music

Sundays:
04.00 Music
04.30 News
04.45 Music
05.45 Farmers' Broadcast
06.00 Music
06.30 Evangelic Service
06.45 News
07.00 Music
08.00 Mass
09.00 "Amerikaspiegel"
09.15 Youth Broadcast
09.30 Music
10.00 News
10.15 "Die Gewerkschaft ruft"
10.30 Music
11.00 Farmers' Broadcast
11.15 Music
12.30 Children Broadcast
13.00 "Bunter Nachmittag"
14.30 Literary Programme
16.00 Symphony Concert
16.30 Literary Programme
17.00 The Voice of USA
17.30 Muic
17.45 Topical Talk
18.00 News
18.15 Music
20.00 Sport
20.15 Music
21.00 News
21.15 Music

Highlights of Programmes:
Sunday: 14.00 BunterNachmittag, 15.00 Symphony Concert.
Tuesday: 19.15 Philharmonic Concert
Wednesday: 19.00 Studio Play.
Friday: 18.15 Opera, Operette or Symphony.

Interval-Signal: "So long der alte Peter".



Announcement:
This is Radio Munich, a station of the Military Government, broadcasting on 405.4 metres, 740 kc/s. Callsignal "Bandltanz" is played at 04.00 and 13.30 daily exc. Saturdays and Sundays.

Message to Listeners: Reports are answered by QSL-cards.

RADIO STUTTGART

Address: Radio Stuttgart, 145 Neckarstrasse, Stuttgart (Operated by Radio Branch, Information Control Division, Office of Military Government for Wurttemberg-Baden, APO 154 US Army).

Leading Personalities:
Chief Radio Branch: Mr. Fred G. Taylor jr.
US Control Officer: Mr. Kip Chevalier
US Control Officer: Mr. Michael Barjansky
Programme Director: Dr. Peter Kehm
Business Manager: Mr. Alfred W. Wolff

Stations: *Radio Stuttgart:*

574 kc/s	522,6 m	100 kW
6180 kc/s	48,5 m	10 kW

Daily Programmes:
Weekdays: 04.00-08.30, 09.30-12.30, 14.30-21.30
Saturdays: 04.00-08.30, 09.30-22.00
Sundays: 04.00-22.00

04.45 News	10.45 News
05.15 Progr. Preview	11.15 Local News
07.15 IRO Missing Persons Search	11.30 Progr. Preview
07.45 News	14.30 Progr. Preview
08.00 School of the Air (Weekd.)	15.45 News
09.30 Missing Children Search	16.15 Special Events Pick-up
	17.00 Voice of the USA
	17.45 News
	20.45 News

Highlights of Programmes:

Sundays:
08.30 Morning Concert
09.30 Heidelberg University
15.00 Drama
18.00 Masters of Music
Mondays:
18.30 Military Government
Tuesdays:
18.00 People and the State
Wednesdays:
Program Preview for the next Week (Dictation speed).
18.0 Opera Music
19.00 Drama
20.00 Chamber Music
Thursdays:
18.00 Youth Hour
19.00 Modern Classical Music
Fridays:
19.00 The Family Hour
Saturdays:
12.00 Folk Music
14.00 Variety Show
17.30 Political Commentary
18.00 Cabaret Hour

Announcement: Daily broadcasts begin with interval signal and conclude with a theme from the First Symphony by Brahms. Announcement is: Hier Radio Stuttgart.

Interval-Signal: For Radio Stuttgart is the following cembalo melody:
and for the Branch Studios in Heidelberg the student song "Gaudeamus igitur".

Message to Listeners: Reports from listeners are answered by letter. Return postage not necessary.

British Zone

British Forces Network in Germany (B. F. N.)

Address: B. F. N., Broadcasting House, Hamburg, Germany (B. A. O. R.)

Leading Personalities: Station Director: Mr. A. E. Sutherland. O i/c Progr. Section: Capt. N. A. Powley.

Stations: Hamburg, with following transmitters:

Herford	1366 kc/s	219 m	20 kW
Hannover	1095 kc/s	274 m	10 kW
Langenberg	1095 kc/s	274 m	20 kW
Berlin	1095 kc/s	274 m	1 kW
Elmshorn	1095 kc/s	274 m	10 kW

Daily Programmes in *English* on all frequencies:
Sundays from 04.57-22.03.
Weekdays from 04.30-22.03 (Saturdays 23.03).

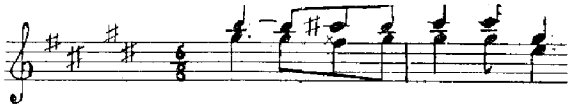
Weekdays:

04.30 Swing Music	05.55 Prayers
05.00 Morning Melodies	06.00 News from Hamburg District
05.55 A Word from the Padre	06.30 Variety
06.00 News	07.00 News
06.30 Variety	07.10 Programme Parade
07.00 News	07.15 Music in the Air
07.10 Programme Parade	08.30 Church Service
07.15 Light Music	10.00 Music
08.30 Canteen Break	11.00 News
10.00 Records	11.15 Family Favorites
11.00 News	12.15 "German without tears"
15.00 Variety	13.00 Symphony Concert
16.15 News from Germany	15.00 Children's Magazine
17.00 News and Sports	16.30 Do you know?
20.00 News	17.00 News
21.15 Music	17.25 Church Service
22.00 News	18.00 Music we love
Sundays:	20.30 "Stand easy"
05.00 Light Music	22.00 News

Highlights of Programmes:
Sunday: 05.00 Morning Miscellany. — 13.00 Symphony Concert from "Hamburg Musikhalle". — 16.30 Quiz Programme. — 20.30 Poets Corner.
Monday: 16.00 Musical Fanfare. — 17.30 On Parade — the microphone with the Regiments in Germany.
Tuesday: 18.30 Old Wine in new Bottles.
Wednesday: 15.00 As Prescribed — a programme for Military Hospitals. — 15.30 Children's Magazine. — 16.00 Tango Time. — 21.00 Dancing in Denmark.
Thursday: 19.00 Thursday Concert.
Friday: 16.00 Recital.
Saturday: 11.15 Travellers Choice. — 18.00 Saturday Night Concert. — 21.15 Saturday Night Swing Shift (until 23.00).

Announcement: "This is the British Forces Network".

Interval-Signal:



Message to Listeners: Reports answered by letter. Return postage not necessary.

NORDWESTDEUTSCHER RUNDFUNK

Address: Nordwestdeutscher Rundfunk — Rothenbaumchausse 132/134, Hamburg 13 — Dagobertstrasse 38, Köln. — Heidelberger Platz 3, Berlin-Wilmersdorf. — Bismarkstrasse 35, Hannover.

Leading Personalities: Chief Controller: Mr. Hugh Carleton Greene. Deputy Controller (Eng.): Mr. W. J. Chalk. Deputy Controller (Adm.): Mr. P. W. H. Smith. Director of Engineering: Dr. W. Nestel. Director of

Administration: Mr. H. H. Wirtz. Director of Programmes: Mr. E. Schütz. Intendant Köln: Mr. H. Hartmann. Manager Köln: Mr. H. H. Fischer. Manager Berlin: Mr. H. E. Haberfeld. Manager Hannover: Mr. H. Guhr.

Stations:

Hamburg and Cologne	904 kc/s	331.9 m	100 kW
Berlin	1330 kc/s	225.6 m	5 kW
Hannover	1330 kc/s	225.6 m	20 kW
Flensburg	1330 kc/s	225.6 m	2 kW
Shortwave	6115 kc/s	49.04 m	25 kW

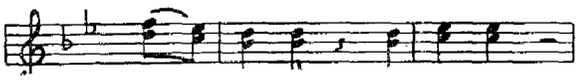
Daily Programmes: *Weekdays* from 04.30-22.03 (Saturdays 24.00).
Sundays: 04.00-22.30.

04.00 Gymnastics
04.15 Light Music
04.45 News
04.55 Programmes Preview
05.00 Music
05.35 Morning Prayers
05.45 News
05.50 Programmes Preview
06.00 Music
06.45 News
07.00 Broadcasting for Schools
08.30 Music
10.30 For the Farmers
10.45 News and Press Review
12.00 Broadcasting for Schools
15.00 Music
15.45 Radio University
16.00 West German Diary "Berliner Fenster"
16.45 News and Commentary
17.00 Programme Preview
19.45 News
20.00 "Echo des Tages"
20.25 Dance Music
22.00 News

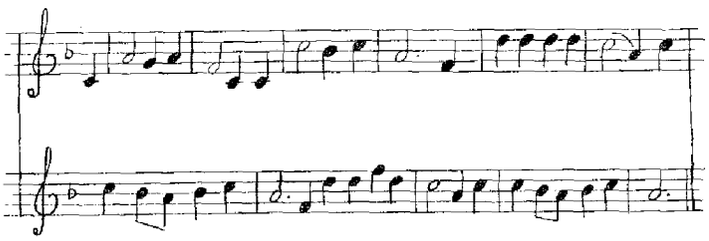
Highlights of Programmes:
Sundays: 08.00 Religious Service, 16.00 "Meisterwerke der Musik". *Mondays:* 18.00 Symphony Concert. *Tuesdays:* 18.30 Dance Music. *Wednesdays:* 18.00 As you like it. *Thursdays:* 18.00 Radio Play. *Fridays:* 17.05 Opera. 19.00 Feature. *Saturdays:* 14.00 "Bunter Nachmittag". 18.00 "Bunter Abend". 23.00 Dance Music.

Announcement: "Nordwestdeutscher Rundfunk, Sender ... Hamburg, Köln, Hannover oder Berlin."

Interval-Signal:
Melody: Motiv from Mozarts Opera "Die Zauberflöte". played on Celesta ("Das klinget so herrlich").



Signature Tune: Old german song from the beginning of the ninetenth century "Ich hab mich ergeben".



Message to Listeners: Letters are answered mainly by letter by the respective department concerned. No postage to be enclosed.

French Zone

SÜDWESTFUNK

Address: Südwestfunk Zentrale Baden-Baden Hotel Kaiserin Elisabeth, Moltkestrasse 5, Baden-Baden.
Studio Freiburg, Freiburg, Kaiser Josefstrasse 270.
Studio Kaiserlautern, Kaiserlautern, Kanalstrasse 4.
Studio Koblenz, Koblenz-Lützel.
Studio Sigmaringen, Sigmarinen/Baden.

Leading Personalities: Chief of Radio Branch: Mr. P. Ponnelle. General-Intendant: Mr. Friedrich Bischoff. General-Director: Mr. Oscar Schneider-Hassel. Chief Engineer: Mr. Anton Weingärtner. Chief of Studios: Mr. Lothar Hartmann. Chief of Music: Dr. Heinrich Strobel. Chief of Entertainment: Mr. Rudolf Førster. Chief of Plays: Mr. Christian Boehme. Chief of Literature: Mr. Herbert Bahlingen. Chief of Information Dpt.: Mr. Franz Schwarzenstein.

Stations:

Coblenz	1031 kc/s	291.0 m	50 kW
Freiburg	827 kc/s	362.6 m	18 kW
Sigmaringen	827.4 kc/s	362.6 m	5 kW
Baden-Baden	827 kc/s	362.2 m	1,5 kW
Kaiserlautern	530 kc/s	566 m	2 kW
Baden-Baden	6321 kc/s	47.46 m	1 kW

Daily Programmes:
Weekdays from 04.00-06.50, 09.30-22.00.
Sundays from 04.00-22.00.

04.00 News
04.10 Music
05.00 News, Progr. Preview
05.15 Music
06.00 News
06.30 News in French
10.00 News, Music
11.00 News, Music
11.30 France speaks to Germany
12.00 Music
14.00 Music
16.30 News from Germany (exc. Sun.)
16.45 French by Radio (excl. Sun.)
17.00 Music
17.40 "Tribune der Zeit"
18.00 "Le Magazine de France"
18.15 Various
19.45 France speaks to Germany (exc. Sun.)
20.00 News, Progr. Preview
20.15 Music or Talk
21.45 News

Highlights of Programmes:
Symphony Concert: 18.15 Sundays.
Classical Music: 19.00 Mondays.
Theatre: c. 19.45 Tuesdays.
"Für Kenner und Liebhaber" (Music and Literature): 20.30 Tuesdays. 20.30 Thursdays.
Orchestra Concert: 19.00 Wednesdays.

Announcement: "Hier ist der Südwestfunk mit der Sendern Baden-Baden, Coblenz, Freiburg, Sigmaringen und Kaiserslautern." Regional programmes are announced: "Hier ist der Südwestfunk Studio Freiburg, (Kaiserlautern oder Koblenz)."

Interval-Signal: *Baden-Baden:* Motive from "Zauberfloete". *Coblenz:* First notes from "Rheinishen Volkslied: Dort wo der alte Rhein". *Freiburg* and *Sigmaringen:* "Schwarzwälder Kuckucksuhr". *Kaiserslautern:* First notes from the song: Ein Jaeger aus Kurpfalz.

Message to Listener: "Bitte senden sie uns Empfangsbeobachtungen, Reports are answered by letter."

U. S. S. R. Zone

BERLINER RUNDFUNK

Address: Masurenallee 8-14, Berlin-Charlottenburg 9.

Leading Personalities: Intendant: Mr. Heinz-Schmidt. Vice-Intendant: Mr. Wilhelm Cirnus. Director of Programme: Mr. Peter Huchel. Chief Engineer: Mr. Theodor Schuster.

Stations:
Berliner Rundfunk.

Berlin	191 kc/s	1571 m	120 kW
Berlin I	841 kc/s	356.7 m	100 kW
Leipzig II	722 kc/s	415.5 m	120 kW
Potsdam	564 kc/s	532.0 m	1,5 kW
Schwerin	1231 kc/s	243.7 m	20 kW

Shortwave	6070 kc/s	49.42 m	— kW
	9730 kc/s	30.83 m	12 kW

Daily Programmes for Berliner Rundfunk:

Weekdays from 03.00 (Thursdays 02.00)-06.30, 09.00-22.10 (Saturdays 01.00)

04.00 News
04.20 Music
05.00 News
05.10 Music
06.30 "Suchdienst"
07.00 School Broadcast
09.00 News
09.20 Music
11.00 News. "Stadt-reporter"
11.20 Music
12.00 Press Review
12.15 Music
13.00 For Children
14.00 News
14.10 Music
15.45 Music
16.15 Stadt- und Land-berichte
18.00 News
18.15 Music and Soloists
c. 19.00 "Aktuelle Kurz reportage"
20.00 News
22.00 News
22.10 Music (Sat.)

Sundays from 04.00-23.00

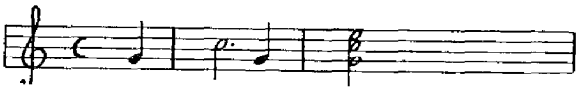
04.00 News
04.10 Music
06.30 Religious Service
08.00 News
08.15 Concert
09.30 Bach-Concert
10.00 Commentary
10.15 Concert and Soloists
11.00 News
11.15 "Landfunk-Reporter"
12.00 From the Newspapers
13.00 "Die Sonntagskinder"
13.30 Opera Music
16.00 Music
16.15 "Der Pulsschlag am Sonntag"
18.00 News
18.15 Operette-Concert or Theatre
20.00 News, Sport
21.00 Dance Music
22.00 News
22.05 Music

From 22.10-22.55 (Saturdays and Sundays 23.00-23.45): "Informationsdienst für die Presse" (only on 1571 m and 9730 kc/s).

Highlights of Programmes:

Symphony: 18.15 on Mondays.
Opera: 18.15 Wednesdays.
"Das Meisterwerk": c. 21.00 Thursdays.

Interval-Signal:
Berlin: "Empor zum Licht".



Potsdam: "Motiv aus dem Brandenburgischen Konzert von Joh. Sebastian Bach".
Schwerin: "Erwache Volk, erwache . . ." (aus "Empor zum Licht").

MITTEL DEUTSCHER RUNDFUNK

Address: Sender Leipzig, Springerstrasse 24, Leipzig N. 22.

Stations:

Dresden	564 kc/s	532.0 m	1,5 kW
Leipzig	785 kc/s	382.2 m	100 kW
Erfurt	1031 kc/s	291.0 m	20 kW
Halle	1303 kc/s	230.2 m	20 kW
Shortwave	9730 kc/s	30.83 m	12 kW

Daily Programmes for Mitteldeutscher Rundfunk:

Weekdays from 03.00-07.15 and 10.00-22.15.
Sundays from 04.00-23.00.

Weekdays:

03.00 News, Programme Preview
03.20 Music
06.15 School Broadcast
06.45 Progr. Preview
07.00 News
10.00 News, Music
12.00 Local News, Press Review
12.15 Music
13.00 Chamber Music
15.00 News, Music
16.05 "Kulturecho"
17.00 "Aktuelle Sendung"
17.30 News, Commentary Progr. Preview
18.00 Music
19.30 News
19.45 "Probleme der Zeit"
20.00 Music
21.00 Music
22.00 News
22.15-23.00 Progr. Preview next week (only Wednesdays)

Sundays:

04.00 News, Programme Preview
04.20 Music
05.45 Religious Service
06.56 Music
08.00 News
09.00 Letters from Listeners
09.30 Bach-Concert
10.00 News
10.15 Music
11.15 Probleme der Zeit
11.30 Music
13.00 "Die Sonntagskinder"
15.45 "Berühmte Musik-werke"
17.30 News, Commnetary
18.00 Music
19.30 News, Progr. Preview
20.00 Music
21.00 Dance Music
22.00 News

Short wave: *Every Thursday* from 14.00-15.30 and 18.00-19.30: "Kriegsgefangenen-Sendung".

Landessender Weimar:
Daily from 05.00-23.00.

Sender Dresden:
Weekdays from 05.00-23.00 (Sat. 02.00)
Sundays from 05.00-24.00.

Landessender Halle:
Weekdays: 05.00-09.15, 11.00-23.10 (Sat. 02.00).
Sundays from 05.00-24.00.

Interval Signal:
Leipzig: "Phantasie (Freie Erfindung)".
Dresden: "Durch die Wälder, durch die Auen". (Aus dem "Freischütz" v. Weber).
Weimar: "Sah' ein Knab ein Röslein stehn . . ."
Halle: "An der Saale hellem Strande . . ."

GREAT BRITAIN

Normal Clock Time — G. M. T.
Summer Time — G. M. T. plus 1 Hour.

Address: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W 1.

Leading Personalities: Chairman: The Lord Simon of Wythenshawe, L. L. D. Vice-Chairman: The Dowager Marchioness of Reading, G. B. E. Director General: Sir William Haley, K. C. M. G. Director of Technical Services: Sir Noel Ashbridge, M. I. C. E., M. I. E. E. Director of Home Broadcasting: B. E. Nicolls, C. B. E. Director of Overseas Services: Major General Sir Ian Jacob K. B. E., C. B. Director of Administration: Air Chief Marshal Sir Norman Bottomley, K. C. B., C. I. E., D. S. O. Director of the Spoken Word: G. R. Barnes. Controller, Home Service: R. E. L. Wellington, C. B. E. Acting Controller, Light Programme: T. W. Chalmers. Controller of Third Progr.: H. J. G. Grisewood. Controller, Television: Norman Collins. Controller, Entertainment: R. J. F. Howgill. Controller, Talks: R. A. Rendall. Controller, Finance: T. Lochhead, C. B. E. Controller, Staff Administration: W. St. J. Pym, C. B. E. Chief Engineer: H. Bishop, C. B. E., M. I. E. E. Acting Editor, News: J. C. S. Macgregor.

HOME PROGRAMMES

FREQUENCIES FOR HOME PROGRAMMES ON LONG- AND MEDIUM WAVES:

Home Service:

668 kc/s	449.1 m	North Regional
767 kc/s	391.1 m	Scott Regional
804 kc/s	373.1 m	Welsh Regional
877 kc/s	342.1 m	London Regional
977 kc/s	307.1 m	Western Regional
1013 kc/s	296.1 m	Midl. Regional
1050 ks/s	285.7 m	North Ireland
1384 kc/s	216.8 m	Western Regional

Light Programme:		**Third Programme:**	
200 kc/s	1500 m	583 kc/s	514.5 m
1149 kc/s	261.1 m	1474 kc/s	203.5 m

DAILY PROGRAMMES FOR HOME:

Home Service:

Weekdays from 05.30-22.03

05. 30 Music	09.15 The Daily Service
06.00 News	09.30 Music
06.15 Music	12.00 News
06.10 Progr. Parade	13.00 Schools
06.15 Music	17.00 News
07.00 News	20.00 News
07.10 Progr. Parade	22.00 News Summary
07.15 Music	

Sundays from 06.55-22.03

06.55 Weather Forecast	12.00 News
07.00 News	12.50 Music
07.10 Progr. Parade	17.00 News
07.20 Music	18.45 Evening Service
08.20 Programme Parade	20.00 News
08.30 Morning Service	22.00 News
09.15 Music	

Light Programme:

Weekdays from 08.00-23.00

08.00 News	15.00 Mrs. Dales Diary
08.10 Housewiwes' Choice	17.15 Music
09.00 Forces Educational Service	18.00 News, Newsreel
	18.30 Light Entertainment
10.15 Music	21.00 News
12.00 Concert Hour	21.35 Dance Music
13.00 Woman's Hour	22.56 News Summary
14.00 Music	

Sundays from 07.00-23.00

07.00 Music	18.00 News
08.00 News	19.00 Music
08.10 Music	20.00 Sunday Half Hour
10.30 People's Service	21.00 News
11.00 Music	22.56 News summary

Third Progr.: Daily from 17.00-22.00
This progr. consists generally of music, radio-play and talks. There are no news broadcasts.

EUROPEAN SERVICE

FREQUENCIES FOR EUROPEAN SERVICE

Long- and Medium Waves:

167 kc/s	1796 m	658 kc/s	456 m	1122 kc/s	267.3 m

Short Waves:

6050 kc/s	49.59 m	9410 kc/s	31.88 m	11930 kc/s	25.15 m
6150 kc/s	48.78 m	9525 kc/s	31.50 m	15070 kc/s	19.91 m
6180 kc/s	48.54 m	9625 kc/s	31.17 m	15300 kc/s	19.61 m
7120 kc/s	42.13 m	9675 kc/s	31.01 m	15450 kc/s	19.42 m
7210 kc/s	41.61 m	9690 kc/s	30.96 m	17700 kc/s	16.95 m
7230 kc/s	41.49 m	11680 kc/s	25.68 m	21640 kc/s	13.86 m
7260 kc/s	41.32 m	11770 kc/s	25.49 m	21675 kc/s	13.84 m
7280 kc/s	41.21 m	11800 kc/s	25.42 m		
7320 kc/s	40.98 m	11860 kc/s	25.30 m		

DAILY PROGRAMMES FOR EUROPE:

A. C. E. = America calling Europe (relayed by the B. B. C.).

04.00-04.15 German
04.30-04.45 Russian-Polish
04.45-05.00 English
05.00-05.15 German-Greek
05.15-05.30 Italian-Hungarian
05.30-05.45 Rumanian-German (Austria)-Italian
05.45-06.00 Bulgarian-English
06.00-06.15 English
06.15-06.30 Serbo Croat
06.30-06.45 French
06.45-07.00 English-Dutch
07.00-07.15 French-German
07.15-07.30 English
07.45-08.00 English
08.00-08.30 French
08.30-08.45 Luxembourgian (Sun.)
09.15-09.30 English
10.00-10.15 Bulgarian
10.15-10.30 Danish
10.30-10.45 English
10.45-11.00 English
11.00-11.15 Bulgarian-Norwegian-German (Austria)
11.15-11.30 English
11.30-11.45 English-French
11.45-12.00 English-French
12.00-12.15 English-German-Czech.
12.15-12.30 English-German-Greek
12.30-12.45 Italian-French-Polish-Portuguese
12.45-13.00 English-Rumanian
13.00-13.15 English
13.15-13.30 Dutch-Spanish
13.45-14.00 Serbo-Croat
15.00-15.15 German-Finnish (Sun.)
15.15-15.45 Finnish (Sun.) - Polish (A. C. E.) - German
15.30-15.45 Finnish (Sun.) - Polish(ACE)
15.45-16.00 English-German
16.00-16.15 Czech (ACE) - German-Finish
16.15-16.30 English (A. C. E.) - Finnish-German (Austria)
16.30-16.45 Albanian-Hungarian (A. C. E.) - German (Austria)
16.45-17.00 Russian-Bulgarian (A. C. E.) - German (Austria)
17.00-17.15 Russian-English-Flemish
17.15-17.30 English-French (Belgium) Italian
17.30-17.45 Norwegian-Italian-Dutch-Polish
18.00-18.30 English-German-Bulgarian
18.30-19.00 Swedish-French-Greek-German-Hungarian
19.00-19.30 Danish-French-Rumanian-German
19.30-19.45 French-German-Greek (A. C. E.)
19.45-20.00 French-German-Russian-Serbo-Croat
20.00-20.15 French-German-Russian-Serbo Croat
20.15-20.30 French-German-Slovene
20.30-20.45 French-English-Portuguese-Polish
20.45-21.00 French-Portuguese-English-Polish
21.00-21.15 Spanish-German-(Austria) (ACE) - English
21.30-21.45 Spanish-Italian
21.30-21.45 English-Spanish-Italian
21.45-22.00 English
22.00-22.15 French (A. C. E.) - German (Austria (A. C. E.)
23.00-23.15 French

EUROPEAN SERVICE UNDER LANGUAGES:

Albanian:

16.30-16.45 News and Progr. 31-19 m. b.

Austrian: see *German*

Bulgarian:
05.45-06.00 News and Progr. 267-41-31-25 m. b.
11.00-11.15 News and Progr. 31-25-19 m. b.
16.45-17.00 America calling 31, 19 m. b.
18.00-18.30 News and Progr. 41-31-25-19 m. b.

Czech Slovak:
04.15-04.30 News and Progr. 1796-456-49-41 m. b.
12.00-12.15 News and Progr. 31-25-19 m. b.
19.30-20.00 News and Progr. 1796-41-31-25 m. b.

Danish:
10.15-10.30 News and Press Survey 1796-41-31-25-19 m. b.
19.00-19.30 News and. Progr. 1796-41-31-25-19 m. b.

Dutch:
06.45-07.00 News 1796-267-49-41-31 m. b.
13.15-13.30 News and Progr. 267-41-31-25-16-11 m. b.
17.30-18.00 News and Progr. 267-41-31-25 m. b.

English:
05.45-06.00 News and Press Review 1796-456-49-41-31 m. b.
07.15-07.30 News and Press Review 1796-267-31-25 m. b.
08.30-09.15 Religious Service (Sun.) 1796-456 m.
09.15-09.30 Religious Service (Weekd.) 1796-456 m.
11.45-12.00 News, Press Survey 1796-456-49-41-31-25 m. b.
12.45-13.00 News and Press Survey 267-41-31-25 m. b.
16.15-16.30 America calling 267-41-31-25 m. b.
18.00-18.30 London call. Eur. 1796-267-49-41-31-25-19 m. b.
20.45-21.00 News and Comments 41-31-25-19 m. b.
21.15-21.45 London calling Europe 1796-456-49-41-31 m. b.
21.45-22.00 News and Despatch 267-41-31 m. b.

English by Radio:
04.45-05.00 1796-456 m.
06.00-06.15 267-49-41-31-25 m. b.
06.45-07.00 456-31 m. b.
07.45-08.00 1796-267-49-41-31-25 m. b.
10.45-11.00 1796-41-31-25-19 m. b.
11.30-11.45 1796-456-31-25-19 m. b.
12.00-12.15 267-41 m. b.
13.00-13.15 41-31-25-19 m. b.
15.45-16.00 41-31-25-19 m. b.
16.45-17.00 267-41-31-25 m. b.
17.15-17.30 456-31 m. b.
20.30-20.45 41-31-25-19 m. b.
21.00-21.15 1796-49-41-31 m. b.
21.45-22.00 1796-456-49-41-31 m. b.

News broadcasts for Listeners learning English:
10.30-10.45 1796-41-31-25-19 m. b.
11.15-11.30 456-31-25-19 m. b. + 1796-41 m. b.
12.15-12.30 267-41-31-25-19 m. b.
17.00-17-15 1796-456-41-31-25 m. b.

Finnish:
15.00-15.45 Music Progr. (Sun.) 25-19 m.b.
16.00-16.30 News and Progr. 41-31-25-19 m. b.

Flemish (for Belgium):
17.00-17.15 Programme 267-41-31-25 m. b.

French (for Belgium):
17.15-1730 Programme 267-41-31-25 m. b.

French:
06.30-06.45 News and reports 267-49-41-31 m. b.
07.00-07.15 News 267-49-41-31 m. b.
08.00-08.30 News and Press Review 267-49-41-31-25 m. b.
11.30-11.45 News and Progr. 267-41-31-25 m. b.
12.30-12.45 News 267-41-31-25 m. b.
16.00-16.15 English by Radio 267-41-31-25 m. b.
18.30-19.00 News and Progr. 1796-267-49-41-31 m. b.
19.00-20.00 Music 1796-267-49-41-31 m. b.
20.00-20.15 English by Radio 1796-267-49-41-31 m. b.
20.15-20.30 News 1796-267-49-41-31 m. b.
20.30-21.00 Programme 1796-267-49-41-31 m. b.
22.00-22.15 America calling 267-49-41-31 m. b.
23.00-23.15 News and Progr. 267-49-41 m. b.

German (for Austria):
05.30-05.45 News and Progr. 1796-456-49-41 m. b.
11.00-11.15 News and Progr. 456-41-31-25 m. b.
16.15-17.00 News and Progr. 1796-456-41-31-25 m. b.
21.00-21.15 America calling 456, 41, 31, 25, 19 m. b.

German:
04.00-04.15 News 1796-456-49-41 m. b.
05.00-05.15 News, English Lesson 1796-456-49-41 m. b.
07.00-07.15 News and Talk 1796-456-49-41-31 m. b.
12.00-12.30 News and Progr. 1796-456-41-31-25 m. b.
15.00-15.15 News, Press Review 1796-456-41-31-25 m. b.
15.45-16.00 Programme 1796-456-41-31-25 m. b.
16.00-16.15 News and Programme 1796-456-41-31-25 m. b.
18.00-18.45 News, Commentary and Talk 456-49-41-31 m. b.
18.45-20.00 Programme 456-49-41-31 m. b.
19.00-19.15 Programme 456-49-41-31 m. b.
20.00-20.30 News, English by Radio 456-49-41-31 m. b.
22.00-22.15 News 456-49-41-31 m. b.

Greek:
05.00-05.15 News and Progr. 267-41-31-25 m. b.
12.15-12.30 News and Progr. 31-25-19 m. b.
18.30-19.00 News and Progr. 41-31-25-19 m. b.
19.30-19.45 America calling 31-19 m. b.

Hungarian:
05.15-05.30 News and Progr. 1796-267-49-31 m. b.
15.15-15.30 News and Progr. 41-31-25-19 m. b.
16.30-16.45 America calling 41-31-25-19 m. b.
18.30-19.00 News and Progr. 41-31-25 m. b.

Italian:
05.30-05.45 News and Progr. 267-41-31-25 m. b.
12.30-12.45 News 31-25-19 m. b.
17.30-18.00 News and Progr. 41-31-25-19 m. b.
21.15-21.45 News and Progr. 267-41-31-25 m. b.

Luxembourgian:
08.30-08.45 Progr. (Sun.) 267-41-31 m. b.

Norwegian:
11.00-11.15 News 1796-41-31-25-19 m. b.
17.30-18.00 News and Progr. 1796-41-31-25-19 m. b.

Polish:
04.30-04.45 News 1796-456-49-41 m. b.
12.30-12.45 News and Progr. 1796-456-41-31-25 m. b.
15.15-15.45 America calling 1796-456-41-31-25 m. b.
17.30-18.00 News and Progr. 456-49-41-31 m. b.
20.30-21.00 News and Progr. 456-49-41-31 m. b.

Portuguese:
12.30-12.45 News 41-31-25-19-13 m. b.
20.30-21.00 News and Progr. 41-31-25-19 m. b.

Rumanian:
05.30-05.45 News and Progr. 267-41-31-25 m. b.
12.45-13.00 News 31-25-19 m. b.
19.00-19.30 News and Progr. 41-31-25-19 m. b.

Russian:
04.30-04.45 News and Progr. 48-42-31-25 m. b.
16.45-17.15 News and Progr. 41-31-25-19-16 m. b.
19.45-20.15 News and Progr. 41-31-25-19 m. b.

Serbo Croat:
06.15-06.30 News and Progr. 267-41-31-25 m. b.
13.45-14.00 News and Progr. 31-25-19 m. b.
17.45-18.00 America calling 31, 19 m. b.
19.45-20.15 News and Progr. 31-19 m. b.
20.15-20.30 News and Progr. 31-19 m. b.

Spanish:
13.15-13.30 News and Progr. 41-31-25-19 m. b.
21.00-21.45 News and Progr. 41-31-25-19 m. b.

Swedish:
18.30-19.00 News and Progr. 1796-41-31-25-19 m. b.

B. B. C. Publications:
Domestic: "The Times" and "The Listeners".
Overseas: "London calling".
Europe: "London calling Europe".

B. B. C.s OVERSEAS SERVICE

Frequencies and wavelengths:

9510 kc/s	31.55 m	15310 kc/s	19.60 m
9580 kc/s	31.32 m	17790 kc/s	16.86 m
9600 kc/s	31.25 m	17810 kc/s	16.84 m
9825 kc/s	30.53 m	18025 kc/s	16.64 m
11700 kc/s	25.64 m	21470 kc/s	13.97 m
11750 kc/s	25.53 m	21530 kc/s	13.93 m
11800 kc/s	25.42 m	21550 kc/s	13.92 m
12095 kc/s	24.80 m	21675 kc/s	13.84 m
15110 kc/s	19.85 m	21710 kc/s	13.82 m
15140 kc/s	19.82 m	21750 kc/s	13.79 m
15180 kc/s	19.76 m	26100 kc/s	11.49 m
15260 kc/s	19.66 m		

GENERAL OVERSEAS SERVICE

The General Overseas Service which runs continuously throughout the twenty-four hours, and can be heard at suitable times all over the world, is addressed to all who regard the United Kingdom as home, wherever they may be. All programmes are in English.

Daily Programmes:

02.00 Programme Preview
03.00 News
03.10 From Today's Papers
04.00 News
04.10 Programme Preview
04.15 News at Dictation Speed
06.00 News
06.10 Daily Service (exc. Sun.)
07.00 News
07.10 Home News
08.00 News
08.10 News Analysis (exc. Sun. and Mon. when Programme corrections)
11.00 News
11.10 Home News
12.00 From Today's Papers (exc. Mon.)
12.10 Programme Preview (exc. Mon.)
13.00 News
13.10 Home News
13.15 Radio Newsreel (Sat. only)
14.00 Radio Newsreel (exc. Sat.)
15.15 Programme Preview (exc. Sat.)
16.00 News
16.10 News Analysis
17.15 Radio Newsreel (exc. Mon. and Sat.)
17.30 Radio Newsreel (Mon. and Sat. only)
18.00 News
18.10 Home News
20.00 News
20.10 Daily Service (exc. Sun.)
21.15 Programme Preview
23.00 News
23.10 News Analysis (exc. Sun. & Sat.)
00.00 Radio Newsreel
01.00 News
01.10 Home News

The times at which the General Overseas Service is available in various parts of the world and the appropriate wavelengths are:

Australia:
06.00-12.00 on 16, 13 m. b.

China, Japan, Pacific Burma, Malaya, S. East Asia: ?
04.00-17.00
on 25, 19, 16, 13 m. b.

India, Pakistan, Ceylon:
01.00-17.00
on 31, 25, 19, 16, 13 m. b.

New Zealand:
08.00-12.00 on 16 m. b.

Iraq, Persia:
04.00-08.00 on 25, 19, 13 m. b.
10.00-12.15 on 13 m. b.
15.15-19.00 on 13 m. b.

Palestine, Turkey:
04.00-21.00
on 25, 19, 16, 13 m. b.

Egypt, East Africa:
04.00-21.00
on 31, 19, 16, 13, 11 m. b.

Italy, Greece, Mediterranean:
04.00-21.00 on 31, 25, 19 m. b.

Austria, North Italy:
05.30-10.00 on 31, 25 m. b.
13.30-21.00 on 31, 25, 19 m. b.

North Africa:
04.00-09.00 on 31, 25 m. b.
16.00-20.15 on 31, 25, 16 m. b.

Central and South Africa:
04.00-09.00 on 31, 16, 13 m. b.
10.00-13.15 on 11 m. b.
14.15-20.15
on 31, 25, 16, 13 m. b.

West Africa:
06.00-09.00 on 25, 16, 13 m. b.
10.00-13.15 on 11 m. b.
14.15-20.15 on 16, 13 m. b.
21.00-22.45 on 25 m. b.

Gibraltar, Mediterranean:
05.30-09.00 on 25 m. b.
10.00-22.45 on 25, 19 m. b.

South America south of Amazon:
11.00-11.15 on 13 m. b.
16.00-03.15
on 31, 25, 19, 13 m. b.

West Indies, Central America, South America north of Amazon:
17.15-23.15 on 25, 19, 13 m. b.
23.45-03.15 on 31, 25, 19 m. b.

Canada, U. S. A., Mexico:
11.00-13.00 on 19 m. b.
21.15-22.45 on 25, 19 m. b.
23.15-03.15 on 31, 25, 19 m. b.

North America (West Coast):
21.15-22.45 on 25 m. b.
23.15-03.15 on 31, 25 m. b.

The metre bands as shown above do not cover the whole of the transmission time of the services, but each service is audible in one of the metre bands shown throughout its overall time.

REGIONAL PROGRAMME

For the Pacific Area: In English. Directed to Australia, New Zealand, South Western Pacific Area.
06.00-07.45 on 31, 25, 19, 16 m. b.

06.00 News
06.30 Radio Newsreel
07.35 Programme Preview
06.10 Programme Preview
07.30 From Today's Papers

Far Eastern Service: In English, Dutch, French, and Far Eastern Languages. Directed to Burma, Malaya, South East Asia, China, Japan.
11.00-14.15; on 16, 11 m. b.

11.00 News in Japanese
11.45 News in English
12.15 News in French
12.45 News in Siamese
13.15 News in Dutch
14.00 News in Burmese
11.30 News in Cantonese
12.10 English by Radio (exc. Sun., and Tues.)
12.30 News in Malay
13.00 News in English
13.30 News in Kuoyü

Eastern Service: In English and Eastern Languages. Directed to India, Pakistan, Ceylon
13.30-15.30 on 16, 13 m. b.
13.30 Marathi Radio Magazine (Wed. only); Bengali Radio Magazine (Sat. only)
14.00 News in Hindustani
14.15 English by Radio (Sun. only); London Letter in Tamil (Mon. and Thurs. only); London Letter in Sinhalese (Tues. and Fri. only).

Near Eastern Services: In Arabic, Persian and Turkish. Directed to North Africa, Near and Middle East.
04.30-05.15, 15.45-18.15, 19.30-20.30, 21.00-21.15
on 31, 25, 19 m. b.
Arabic: 04.45-05.15, 17.00-18.15, 19.30-20.30
Persian: 15.45-16.30
Turkish: 04.30-04.45, 16.30-17.00, 21.00-21.15

Colonial Services: In English, Afrikaans, Greek and Turkish for Cyprus, and Maltese. Directed to Central and South Africa, Malta and Cyprus, West Africa, West Indies.
For Central and South Africa: 15.30-15.45, 18.45-19.15, in English and Afrikaans, on 25, 19, 13, 11 m. b.

For Cyprus and Malta: 16.30-16.45, in English, Greek and Turkish for Cyprus, Maltese, on 19 m. b.
For West Africa: 20.15-21.00, in English, on 16 m. b.
For West Indies: 23.15-23.45, in English, on 25, 19 m. b.

Latin-American Service in Portuguese: Directed to Central and America.
22.00-01.30; on 25, 19 m. b.

22.00 Programme Summary	22.15 News
00.00 News	01.15 News Summary
01.26 Programme Summary	

Latin-American Service in Spanish: Directed to Mexico, Central and South America.
22.00-03.45; on 31, 25, 19 m. b.

22.00 News Summary	23.00 News Summary
00.00 News	02.00 News
03.15 News	

North American Service: In English and French for Canada. Directed to Canada, Newfoundland, U. S. A., Mexico.
13.00-14.00, 14.15-16.15, 17.00-21.15, 22.45-23.15; on 25, 19, 13 m. b.

13.00 News	13.10 From Today's Papers
14.15 Programme Preview	14.45 Talks in French (exc. Sun. and Sat.)
15.30 Radio Newsreel	16.00 News
16.10 News Analysis	17.00 Programme Summary
21.00 News	22.45 News
22.55 News Analysis (exc. Sun. and Sat.)	

Announcement: *Home Programme:* "This is the B. B. C., Home service light programme or third programme". *European Service:* "This is London calling in the European Service of the B. B. C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".

B. B. C.'s Overseas Services: "This is London calling in the General Overseas Service of the B. B. C. . . ." "You are listening to the General Overseas Programme, coming to you from the Studio of the B. B. C. in London". "This is London calling the Pacific, African, North American. . . etc. . . . Service of the B. B. C.".

Interval-signal: Every hour on the hour: Big-Ben.

Message to Listeners: "The B. B. C. London welcomes letters from its listeners throughout the world, with comments on the substance and reception of its various broadcasts. Any such letters addressed to the B. B. C., London W 1. will receive the most careful attention".

GREENLAND

Normal Clock Time — G. M. T. minus 3 hours.
No Summer Time.

Address: Radiostation Godthaab, Greenland.

Station Godthaab
5942 kc/s 50.49 m 1 kW

Daily Programmes from 21.30-22.45.

Weather report — News and Ship Positions in Danish and Eskimo.

Announcement in Danish: "God Aften. Her Grønlands Radio."

Interval-Signal: Chimes and first movement of six bars, played twice, of the Funeral March by Norman Andersen which was composed for Kjell Abel's play "Silkeborg".

GREECE

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Ethnikon Edrima Radiofonos (National Radio Institute), Rue Riqhilles No. 4, Athens.

Leading Personalities: General Manager: Mr. D. K. Svolopoulus. Technical Manager: Mr. B. Aslanidis. Chief of Programmes: Mr. S. Myrivilis. Chief of Music: Mr. S. Farandatos, Mr. M. Androulidakis, Mr. Petropoulakis, Mr. S. Vassiliadis, Mr. M. Svolopoulus, Mr. Konitopoulos.

Stations:

Radio Athens	601 kc/s	499.2 m	15 kW
Radio Saloniki	804 kc/s	373.1 m	2 kW
Radio Athens	6177 kc/s	48.56 m	7,5 kW
	7300 kc/s	41.10 m	7,5 kW
	15345 kc/s	19.55 m	7,5 kW

Daily Programmes on 499 m:
Weekdays from 05.00—07.30, 10.00-13.15 and 15.00-22.15
Sundays: 05.00-08.00, 09.00-13.00 and 15.00-22.15

05.15-05.30 News	19.15-19.30 Special Transm. for Northern Greece
07.25-07.30 News	19.30-20.00 Retransmission from U.S.A.
11.00-11.15 News	20.00-20.15 News
11.20-11.30 Americ. News	21.15-21.30 News
12.15-12.30 Retransmission from BBC	22.00-22.15 News
13.00-13.15 News	
18.15-18.30 News	

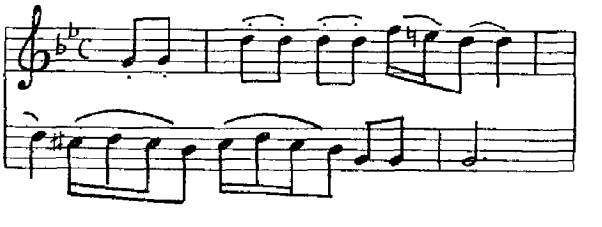
On 373 m:
Daily from 11.30-13.00 and 15.00-21.00.
16.00-16.05 Special News for Northern Greece

Highlights of Programmes:
Sundays 06.00 High Mass from the Cathedral, 09.00 Symphony-Concert, 20.15 Sketch.
Tuesd., Wednesd. and *Saturd.* 15.30-15.45 Transmission for children.
Fridays: 18.30-19.15 Night Concert (English transmission).

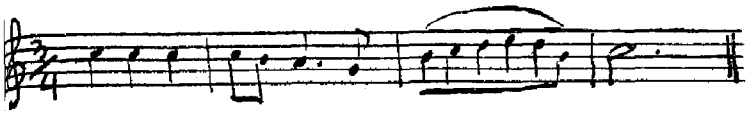
Daily Programmes on short-wawe:
On 48.56 m: 05.15-05.30 News in Greek
17.40-17.50 News in Arabic
17.50-18.00 News in Russian
18.00-18.10 News in Rumanian
18.10-18.20 News in Yugoslavian
18.20-18.30 News in Bulgarian
18.30-18.40 News in Albanian
19.15-21.30 Relay of Athens Programme
On 41.10 m: 16.30-16.45 News in English
16.45-17.00 News in French
17.00-17.10 News in Turkish
On 19.55 m: 22.30-23.30 Transmission for U. S. A.

Announcement: "Edho Athinai" and "Edho Thessaloniki".

Interval-signal: Radio Athen on medium-wave: "Tsopanakos".



Radio Athen on short-wawe: "Kato stou valtoy".



Message to Listeners: Reports and critics of our programmes are welcomed and answered by letters.

HOLLAND

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Nederlandsche Radio Unie, The Dutch Radio Union, Postbox 150, Hilversum.

The Dutch Programmes for Home are provided by the following broadcasting societies:
A. V. R. O.: Algemeene Vereeniging Radio Omroep.
K. R. O.: Katholieke Radio Omroep.
N. C. R. V.: Nederlandsche Christelijke Radio Vereeniging.
V. A. R. A.: Vereeniging van Arbeiders Radio Amateurs.
V. P. R. O.: Vrijzinning Protestantsche Radio Omroep.

Central Address for the four principal broadcasting societies: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

Leading Personalities of De Nederlandsche Radio Unie: Professor Dr. J. B. Kors, O. P.-Chairman: Mr. J. W. Lebon — Secretary: Mr. G. de Clercq — Treasurer Members: Mr. J. B. Broeksz, Miss Dr. N. A. Bruining, Mr. C. A. Keuning, Mr. K. van Dijk, Mr. P. A. M. Speet and Mr. W. Vogt.

Address: R. Nederland-Wereldomroep PCJ (Shortwave Station), 1 Bothalaan, Hilversum, including the *"Happy Station"* PCJ, Postbox 137, Hilversum.

Leading Personalities of Wereldomroep PCJ
General Manager: Mr. H. J. van den Broek. — Head of Nederlands Programme Service: Mr. G. Sluizer. — Head of International Programme Service: Mr. C. S. Telders. Head of Information and Publicity: Mr. Henk Koop jr.

Stations: *Long and Medium Waves.*

Lopik I	995 kc/s	301.5 m	100 kW	Hilversum I
Lopik II	722 kc/s	415.5 m	60 kW	Hilversum II
Lopik III	1222 kc/s	2 45 m	10 kW	relay H'sum II
Kootwijk	160 kc/s	1875 m	10 kW	relay H'sum II
Groningen	1222 kc/s	245 m	3,5 kW	North Regional and relay H'sum II
Maastricht	1222 kc/s	245 m	2 kW	South Regional and relay H'sum II

Short Waves: Huizen.

PCJ:	15220 kcäs	19.71 m	40 kW
	9590 kcäs	31.28 m	40 kW
PHI:	17770 kc/s	16.88 m	5 kW
	11730 kc/s	25.57 m	5 kW
	21480 kc/s	13.96 m	15 kW
PGD:	6025 kc/s	49.79 m	5 kW

HOME PROGRAMMES

Daily Programmes for Hilversum I:

Weekdays: 06.00-23.00	*Sundays:* 07.00-23.00
06.00 News	07.00 News
06.30 Music	07.40 Music
07.00 News	11.30 Sunday Club
07.15 Music	12.00 News
10.00 Music	13.30 Music
12.00 News, Music	17.00 News
13.45 Music	18.00 Concert
17.30 For the Forces	19.00 News
17.00 News or	19.05 Actualities
18.00 News	19.15 Music
22.00 News, Music	22.00 News, Music

Daily Programmes for Hilversum II (1875 m from 17.00-23.00 and 245 m from 06.00-09.00 and 16.00-23.00)

Weekdays: 06.00-23.00	*Sundays:* 07.00-23.00
06.00 News	07.00 News
06.30 Music	07.15 Music
07.00 News	08.30 News
07.15 Music	08.45 Symphony Concert
08.35 Music	09.00 Religious Service
12.00 News	11.00 Music
12.15 Music	12.00 News, Music
17.00 News or	13.00 Concert
18.00 News	16.00 Religious Service
18.30 Actualities	18.30 News
19.00 News	19.05 Actualities
21.30 Music	21.30 News, Music
21.45 Religious Service	21.45 Catholic News
22.00 News, Music	21.50 Music

RADIO NEDERLAND — WORLD PROGRAMME PCJ

DAILY PROGRAMMES *to Europe and Africa* on *25.57, 31.28, 49.79 m.*

English: 17.30-18.10 (exc. Sun.)
17.30 News — 17.40 Topicals — 17.50 Music from Holland — 18.10 (Tuesd.) Cultural Review or Women's Programme; Sat. Window on Holland.

Dutch: 18.30 to 21.00 (Sun. 09.00 Religious Service),

17.30 Children's Progr.	19.30 Concertgebouw Orch. (Sund.)
18.32 News	
19.00 Music	19.45 Music
19.30 News, Press Review (Weekd.)	20.26 Light Music
	20.55 News

"The Happy Station": 21.00-22.30 (Sun. Wedn.) Presented and produced by Edw. Startz.

Highlights of Programmes for International Listeners:
Sundays: 18.45 Light Music or Choir and 19.30 Concertgebouw Orchestra.
Tuesdays: 19.00 Metropole Orchestra.
Thursdays: 19.00 Wellknown Dutch Radio Orchestras.
Fridays: 19.45 Soloists or Chamber Music.

Special Programmes for Dutch Listeners:
Sundays: 09.00 Religious Service. 17.30 Children's Hour. 20.31 Sportuitslagen (Football scores).
Tuesdays: 18.50 Talk by "De Rotterdammer" or "Letters from Listeners".
Saturdays: 18.50 Buitenlands weekoverzicht (Weekly international review).
Wednesdays: 19.45 "PCJ roept het Schip van de Week" (Family Broadcast for the Merchant Navy)

DAILY PROGRAMMES to America and West Indies on *25.57, 31.28* and *49.79 m.*

Spanish (for South America) 22.30-23.10 (Weekd.)
22.30 News — 22.40 Topical — 22.50 Music from Holland 23.10 (Tuesd.) Cultural Review or Women's Programme (Saturd.) "Window on Holland".

Dutch: 23.30-02.00 (Sun. 22.45 Children's Progr.)
23.32 News — 00.30 Internat. News and West Indian Review — 01.20 Press Review — 01.30 Music.

Spanish (for Central America and the Antillas)
02.00-02.30 (Weekd. only)
02.00 News — 02.10 Topical — 02.20 Music from Holland

English: 02.30-03.10 (Weekd.) (for USA and Canada on 31.28 m)
02.30 News — 02.40 Topical — 02.50 Music from Holland
03.10 (Tuesd.) Cultural Review or Women's Programme. (Saturd.) "Window on Holland".
"The Happy Station": 03.00-04.30 (Sun. and Wedn.)

Highlights of Programmes for International Listeners:
Sundays: 00.30 Concertgebouw Orchestra
Mondays: 00.00 Opera or Light Opera Music.
Tuesdays: 00.00 Metropole Orchestra
Wednesdays: 00.00 Concert or Dutch songs
Thursdays: 00.05 Radio Orchestra
Fridays: 00.50 Dutch Soloists and/or Orchestras
Saturdays: 00.50 Popular Music

Special Programmes for Dutch Listeners:
Sundays: 22.45 Children's Hour
02.00 Sportuitslagen (Football Scores)
Mondays: 23.50 Sports Talk
Tuesdays: 23.50 "De Rotterdammer" of "Brieven van luisteraars"
Wednesdays: 00.50 (2nd, 4th and 5th Wedn. each month) "PCJ roept het schip van de week" (Family Broadcast for the Merchant Navy)
Fridays: 00.00 Cult. maandoverzicht (Cultural Review 1st. Frid., each month), Streekprogramme (Regional Broadcast 3rd Frid. each month)
01.46 Financecon. rubrick
Saturdays: 23.50 Buitenlands weekoverzicht (Foreign Weekly Review)
00.00 Amusements-Progr.

DAILY PROGRAMMES *to East and Far East* (Indonesia) on 13.96, 16.88, 19.71 and 49.79 m.

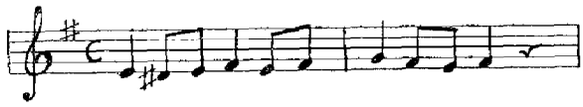
English: 10.00-10.40 *(Weekd. only).*
10.00 News — 10.40 Topical — 10.20 Music from Holland
10.40 (Tuesd.) Cultural Review or Women's Programme (Saturd.) "Window on Holland".

Dutch: 11.00-15.00.
11.00 Forces Programme
12.02 News
13.00 International News and Press Review
13.15 (ex. Wedn.) Music
13.30 (only Sund.) Concertgebouw Orchestra
14.15-15.00 Programme for Indonesian Listeners in Bahasa Indonesia
"The Happy Station": 15.30-17.00 (Sun., Wedn.) and from 08.30-10.00 on Tuesd.

Highlights of Programmes for International Listeners:
Sundays: 13.30 Concertgebouw Orchestra
Mondays: 12.30 Opera or Light Opera Music
Tuesdays: 12.30 Metropole Orchestra
Thursdays: 12.30 Radio Orchestra
Fridays: 13.15 Dutch Soloists and/or Orchestras

Special Programmes for Dutch Listeners:
Sundays: 09.00 Religious Service
10.15 Children's Programme
15.20 Sportuitslagen (Football Scores)
Mondays: 09.30 Zending of missie (Mission) Altern. 1st and 2nd Mond. each month for R. C. and Prot. ... .
Tuesdays: 12.20 "De Rotterdammer" or "Brieven van Luisteraars" (Speech by "De Rotterdammer" or "To Letters from Listeners")
Wednesdays: 13.15 PCJ roept het schip van de week (Family Broadcast for the Merchant Navy)
Fridays: 12.30 Streekprogramma 3de Vrijd. v. d. maand): Regional Broadcast (3rd Friday each month)
13.46 Financieel-econ. rubriek (Financial-Econ. Review)
Saturdays: 12.30 Cabaret Programme.

Announcement: An old Dutch folk-song called: "In naam van Oranje". "Hier Radio Nederland via de kortegolfzender PCJ met onze dagelijkse uitzending bestemd voor alle land en rijksgenoten buiten het vaderland. Goeden morgen, goeden middag en goeden avond Nederlanders, waar ook ter wereld.« (Here Radio Netherlands via short wave transmitter PCJ, with our daily broadcast for all Dutch Nationals abroad. Good morning, good afternoon and good night Netherlanders, wherever you are).
News in English: An old Dutch folk-song called: ««Wie gaat mee overzee". "This is the international programme service of station PCJ Hilversum Holland, bringing you "News of the Netherlands".
General Interval-Signal: Old Dutch folk-song called: "Merk toch hoe sterck" played on Carillon or Celesta. For all frequencies.



Message to Listeners of "Radio Nederland Wereldomroep": Reports on the listening value and the technical quality of our programmes will be welcome and should be addressed to: PCJ, P. O. Box 137, Hilversum, Holland." Reports answered by QSL-card.

HUNGARY

Standard Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address: Chief for Section Foreign Relations, Magyar Kzponti Hirado Rt., Brody Sandor-u. 5-7. Budapest VIII.

Leading Personalities: President: Dr. Gyula Ortutay. Vice-President: Mr. Sandor Barcs. General-Manager: Mr. Pal Szilágyi. Programme Director: Mr. Gyula Schöpflin. Chief-Engineer: Mr. Bela Tomcsanyi, Head of the Section Foreign Relations: Dr. György Kaldor. Deputy-Director, Head of Literary Section: Mr. Emil Kolozsvari Grandpierre. Director of Music: Dr. Rezsö Kókai.

Stations:

Budapest I	546 kc/s	549.5 m	50 kW	
Budapest II	1040 kc/s	288.5 m	8 kW	
Magyarovar	1321 kc/s	227.1 m	0.4 kW	Relay Budap. I
Miskolc	1438 kc/s	208.8 m	1.25 kW	Relay Budap. I
Pecs	1465 kc/s	204,8 m	1.25 kW	Relay Budap. I

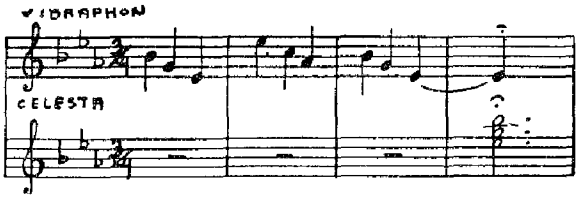
Daily Programmes: Budapest I (National) from 04.30-08.15 and 10.00-c. 22.00.
Budapest II (National) from 16.00-22.00.

04.45 Exercise
05.00 News Programme Preview
05.30 Music
06.15 Records
08.00 News
10.15 Music
12.00 News
1300 School Broadcast
13.55 Programme Preview
15.00 News
15.10 News about Pris. of War
18.00 News
18.20 News in Russian
20.00 News
20.20 Programme Preview
21.00 Music
22.00 News
22.10 News in French
22.20 News in English
22.30 News in Esperanto (Mon., Wedn. and Fri.)

Highlights of Programmes:
Hungarian Music: Mondays at 18.30.
Teatre: Tuesdays at 17.00.
Weekly Newsreel: Saturdays at 18.00.
(Interviews and reportage).

Announcement: "Radio Budapast egy."

Interval-signal:



Message to Listeners: "Reports received from listeners are answered by letter. Return postage need not be enclosed."

ICELAND

Normal Clock Time — G. M. T. minus 1 hour.
Summer Time — G. M. T.

Address: Iceland State Broadcasting Service, (Rikisutvarpid), Reykjavik.

Leading Personalities: Director General: Mr. Jonas Thorbergsson, Chief Engineer: Mr. Gunnlaugur Briem. Director of Programmes: Mr. Helgi Hjörvar.

Stations:

Reykjavik	TFU	271 kc/s	1107 m	100 kW	
Eidar	TFE	615 kc/s	487.8 m	1 kW	Relay TFU
Reykjavik	TFJ	12235 kc/s	24.64 m	7 kW	

Daily Programmes from 08.00-22.00.
News at 08.30, 12.30, 16.30, 20.00 and 22.00
Shortwave transmissions to Icelanders abroad every Sunday at 15.15-15.45.

Announcement: "Utvarp Reykjavik".

Message to Listeners: Reports are answered with special QSL-card. Return postage should be enclosed.

ITALY

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address Radio Italiana — RA. I. Presidenza — Roma — Via Botteghe Oscure, 54 —
Direzione Generale — Torino — Via Arsenale, 21.
Direzione Generale — Roma — Via Botteghe Oscure, 54.

Leading Personalities: President of the Radio Italiana RAI Rome: On Giuseppe Spataro, M. of P. Director-General Rome: Rag. Salvino Sernesi. Joint General Manager. Turin. Dr. Marcello Bernardi. General Manager Programmes: Mr. Giulio Razzi. General Manager Programmes Radio News: Dr. Antonio Piccone Stella.

Stations: Red Network (Rete Rossa)

Ancona	1429 kc/s	209.9 m	5 kW
Bari I	1059 kc/s	283.3 m	20 kW
Bologna I	1303 kc/s	230.2 m	50 kW
Catania	1104 kc/s	271.7 m	5 kW
Florence II	1104 kc/s	271.7 m	5 kW
Genoa I	1357 kc/s	221.1 m	10 kW
Milan II	1357 kc/s	221.1 m	10 kW
Naples I	1312 kc/s	228.7 m	5 kW[2])
Rome I	713 kc/s	420.8 m	100 kW
Palermo	565 kc/s	531.0 m	10 kW
San Remo	1348 kc/s	222.6 m	0,25 kW
Turin II	1357 kc/s	221.1 m	20 kW
Venice II	1492 kc/s	200.1 m	5 kW

Stations: Blue Network (Rete Azzurra)

Bari II	1348 kc/s	222.6 m	1 kW
Bologna II	1068 kc/s	280.9 m	1 kW
Bolzano	536 kc/s	559.7 m	20 kW
Florence I	610 kc/s	491.8 m	100 kW
Genoa II	986 kc/s	304.3 m	5 kW
Messina	1492 kc/s	200.1 m	5 kW
Milan I	814 kc/s	368.6 m	50 kW
Naples II	1069 kc/s	280.9 m	1 kW[3])
Rome II	1258 kc/s	238.5 m	5 kW
Turin I	986 kc/s	304.3 m	80 kW
Udine	1258 kc/s	238.5 m	1 kW
Venice I	1222 kc/s	245.5 m	20 kW
Verona	1348 kc/s	222.6 m	1 kW

[2]) In 1948 will be increased to 100 kW.
[3]) In 1948 will be increased to 5 kW.

Autonomous Stations:

Radio Sardegna	536 kc/s	559.7 m	5 kW
Trieste	1140 kc/s	263.2 m	10 kW

Shortwave Stations:

Busto Arsizio I	9630 kc/s	31.15 m	50 kW
Busto Arsizio II	11810 kc/s	25.40 m	50 kW
Busto Arsizio III	15120 kc/s	19.84 m	50 kW
Busto Arsibio IV	6085 kc/s	49.30 m	50 kW
Rome (M. Mario)	7270 kc/s	41.26 m	1 kW
Rome (M. Mario)	7250 kc/s	41.38 m	1 kW

DAILY PROGRAMMES ON MEDIUMWAVES
Weekdays: 05.00-06.40, 09.00-13.20 and 15.00-22.15
Sundays: 06.00-07.15, 07.45-13.35 and 15.00-22.15
The two networks are, at present, working in conjunction only for the transmission of news and other items of an exceptional kind.

Red Network

Weekdays:	*Sundays:*
05.15 News	06.00 News
05.18 Music	06.10 Music
06.00 News	06.45 Per i medici
06.10 Per la donna e Assistenza Sociale	07.00 Evangelic Service
	07.45 Bollettino cattolico
09.00 Music	08.00 Assistenza Sociale
09.30 Radio Scuola	08.30 Per gli agricoltori
10.00 Various	09.00 Musica per organo
11.00 News	09.30 Santa Messa
11.15 Music	10.05 Various
13.00 News	11.00 News
13.15 "Window on the World"	11.15 Music
	12.13 Rivista
15.00 Pomeriggio musicale	12.50 Music
16.00 Per i ragazzi	14.30 Radio cronaca sportiva
16.30 Programme popolare	16.00 Music
17.25 Università Internazionale "Guglielmo Marconi"	17.40 Sport
	17.55 Various
	18.00 News
17.30 News	21.10 News
21.10 News	21.25 Light Music
21.30 Music	
22.00 News	

Highlight of Programmes:
Theatre: Mondays c. 19.00 and Wednesday 21.30
Music Hall: Tuesday 19.00 and Friday c. 19.00
Symphony Concert: Wednesday c. 19.30
Opera: Thursday c. 19.00

BLUE NETWORK

Weekdays:	*Sundays:*
05.00 News	05.30 Music
05.18 Music	06.00 News
06.00 News	06.45 Evangelic Service
09.30 Music	07.45 Bollettino cattolico
11.00 News	09.30 Santa Messa
11.15 Music	11.00 News
12.00 News	11.15 Music and Cabaret
15.00 Per i ragazzi	15.30 Music
15.30 Voices from Abroad	17.40 Bollettino sportivo
16.00 Musica camera	18.00 News
18.00 News	21.00 News
21.10 News	21.25 Light Music
21.30 Music	22.00 News

Highlights of Programmes:
Music Hall: Sunday c. 19.00
Opera: Saturday c. 19.00
Theatre: Thursdays c. 19.00 and Wednesday 21.30
Symphony Concert: Fridays c. 19.00 and Monday c. 19.30
Operette: Wednesday c. 19.00

RADIO BOLZANO:

Weekdays:	*Sundays:*
06.00 News	10.15 News
17.00 Various	10.25-11.45 Music
18.30 News	18.00 News
	18.40 Music
	20.45 News

RADIO BARI I
in *Arabic Daily* 14.45-15.00

RADIO SARDEGNA
From 05.30-06.40, 10.00-13.13 and 16.55-21.55

DAILY PROGRAMMES ON SHORTWAVE:

EUROPEAN PROGRAMME

On 25.40 m and 19.84 m from
11.20-12.00 Blue Network
12.05-12.20 Red Network
12.20-12.30 News in Italian

On 25.40 m and 19.84 m from
15.45-16.30 Italian News to Europe
16.10-16.30 A programme devoted to radio problems common to all countries. Only Sundays alternatively in French and English, German and Swedish
16.30-17.00 News to Eastern Africa

On 25.40 m and 31.15 m from
17.00-17.20 Italian Radio Signal: Announcements in Italian and Slavonic. Musical Programme
17.20-17.30 News in Slavonic
17.30-17.50 Signal Announcements in Italian and French. Musical Programme
17.50-18.00 News in French
18.00-18.20 Signal Announcements in Italian and Greek. Musical Programme
18.20-18.30 News in Greek.
18.30-18.50 Signal Announcements in Italian and Turkish. Musical Programme
18.50-19.00 News in Turkish
19.00-19.20 Signal Announcements in Italian and German. Musical Programme
19.20-19.30 News in German
19.30-19.50 Signal Announcements in Italian and English. Musical Programme
19.50-20.00 News in English
20.00-20.20 News in Danish, Norwegian and Swedish
20.20-20.40 Signal Announcements in Italian and Arabic. Musical Programme
20.40-20.55 News in Arabic

41.38 m:
11.13-11.50 Red Network
18.40-21.00 Red Network

SOUTH-AFRICA PROGRAMME
On 25.40 m and 49.30 m from
21.00-21.10 News in Italian
21.10-21.20 News in English

LATIN AMERICA PROGRAMME:
On 25.40 m and 19.84 m from
22.30-22.35 Signal Announcements and reading of the programme in Italian, Spanish and Portuguese
22.35-23.00 Musical Programme
23.00-23.10 News in Italian
23.10-23.20 Musical Programme
23.20-23.30 News in Spanish
23.30-23.40 News in Portuguese

NORTH AMERICA PROGRAMME:
On 25.40 m and 19.84 m from
23.40-23.45 Signal followed by announcements and reading of the programme in Italian and English
23.45-24.00 Voce d' Italia
00.00-00.30 Musical Programme
00.30-00.40 News in English
00.40-00.55 Musical Programme followed by announcements in Italian and English

Message to Listeners: "We are very interested in any information received from abroad about our medium and short-wave transmissions. A confirmation card and all requested information are sent to every foreign listener reporting on our transmissions. For the moment, our short-wave transmissions are kept within certain limits, owing to damage and destruction caused to our plant by the war. In our reconstruction plan, priority has been given to medium-wave stations, but, nevertheless, we hope to be able, within a short time, to improve also our short-wave transmissions."

LUXEMBURG

Normal Clock Tibe — G. M. T. plus 1 hour.
No Summer Time.

Address: Radio Luxemburg, Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxemburg.

Leading Personalities: President: Mr. Emile Reuter. Vice-president Delegate: Mr. Jasques Lacour-Gayet. Director-General: Mr. Rene Louis Peulvey. Chief Engineers: Mr. Mathias Felten and Mr. Ferdn. Scholtes.

Stations Radio Luxemburg.

232	kc/s	1293 m	150 kW
6090	kc/s	49.26 m	5 kW
15350	kc/s	19.54 m	5 kW
9527,5	kc/s	31.49 m	5 kW inactive.
11782,5	kc/s	25.46 m	5 kW inactive.

Daily Programmes:
On 1293 m: *Weekdays* from 05.45-23.00.
Sundays from 06.15-24.00.
On 19.54 m: Daily from 11.00-13.30.
On 49.26 m: Daily from 16.30-21.45 (21.30 Sund., Tuesd., Wednesd.).

Weekdays:
05.45 News, Chronicle
06.15 "Bonjour le Monde"
06.30 Music
06.45 News
06.55 Music
09.30 "Messe des Malades" (Thursd.)
11.00 Music
11.25 Progr. in Luxembourgian
11.30 Music
12.00 News
12.00 Music
16.00 English Music
16.45 "Le Passe-Temps des Dames et des Demoiselles"
18.00 Luxemburg speaks to friends abroad
18.15 News
18.30 Music and Entertainment
20.00 or 20.30 News
22.15 Dance Music

Sundays:
06.15 News Chronicle
06.45 "Bonjour le Monde"
07.00 Music
07.15 News
07.25 Music
08.00 Catholic Talk
08.15 Music
11.20 Progr. in Luxembourgian
11.30 Music and Entertainment
12.00 News
12.10 Music
13.30 English Music
18.00 Luxemburg speaks to friends abroad
18.15 News
18.45 Music
20.15 English Music

Highlights of Programmes:
Symphony: 20.40 Tuesdays and 20.30 Thursdays.
Light Music: 19.00 Wednesdays — 20.50 Fridays — 14.00 Saturdays — 15.15 Saturdays.
Varieties: 19.00 Mondays — 19.00 Tuesdays — 20.00 Tuesdays — 19.35 Thursdays — 20.00 Thursdays — 19.45 Fridays — 20.00 Saturdays.
Catholic Talk: 08.00 Sundays.
Protestant Talks: 16.15 Mondays — 13.30 Tuesdays — 10.15 Fridays — 10.30 Fridays — 13.30 Fridays — 10.30 Saturdays — 16.15 Saturdays.

The Voice of International Scouting: 12.50 Thursdays — 10.15 Saturdays.

Announcements: Sundays in French and English, Weekdays in French, English and German.

Interval-signal: Melody played on piano: A Luxemburgian popular song.

Message to Listeners: We are very interested in any information received from abroad about our long- and short-wave transmissions. We attach much importance to these listeners reports and cordially invite them to write to us and frankly give us their opinion on our programmes.

MONACO

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Radio Monte Carlo, 16 Boulevard Princesse Charlotte, Monte Carlo.

Leading Personalities: Chairman of Board of Directors: Mr. A. Crovetto. Director General: Mr. M. Robert Schick. Chief Editor: M. Marc Mussier. Head of Administration: Mr. de la Panouse. Director of Programmes: M. Fels. Chief Engineer: Mr. Fromaget. Head of Publicity Dept.: Mr. R. H. Dogor.

Stations: Monte Carlo.
731 kc/s 410.4 m 10 kW 6035 kc/s 49.71 m 25 kW
A new 25 kW shortwave-station will be in operation later this year, probably in July.

Daily Programmes: From 06.30-08.00 (Sun. 08.30), 11.00-13.00, 18.00-22.15.
06.30 Music
07.00 News
07.15 Music
11.00 Music
12.00 News
12.15 Music
18.05 Music
18.30 News
18.40 Music
20.00 Symphony, Lyric or Play
22.00 News

Highlights of Programmes:
Mondays: 20.10 "Le Disques que vous aimez".
Wednesdays: 20.00 Operette or Opera.
Thursdays: 20.40 Symphony Concert
Fridays: 19.45 "Pêle-Mêle".
Saturdays: 20.00 Symphony Concert.
Sundays: 08.00 "Bringing Christ to the Nations". Progr. in English.

Announcement: Opening: "Ici Radio Monte Carlo, longueur d'ondes 410 metres, 731 kilocycles et 49.71 m 6.035 kilocycles. Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjours Messieurs. Notre emission commence. En voici le programme .....".

Interval-signal: Before every transmision period: 06.30, 11.00 and 18.00 is played "L'Hymne Monegasque".

Message to Listeners: Reports are answered by letter.

NORWAY

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Norsk Rikskringkasting, Oslo.

Leading Personalities: Director: Mr. Knut Tvedt. Directors of Programmes: Mr. Thorstein Diesen. Chief-Secretary: Mr. Olav Lid, Studio-Controller: Editor Arthur Klæbo, Programme-Editors: Mr. Toralv Øksnevad. Mr. Karl C. Lyche, Mr. Fr. Chr. Wildhagen, Mr. Leif Jensson; Chief of Music Dept.: Mr. Hugo Kramm, Chief of Plays: Mr. Gunnar Neels-Hansson.

Stations:

Bodö	LKD	253 kc/s	1186 m	10 kW
Bergen I	LKB	260 kc/s	1154 m	20 kW
Oslo	LKO	260 kc/s	1154 m	60 kW
Vigra		282 kc/s	1064 m	20 kW
Tromsø	LKM	292 kc/s	1027.4 m	10 kW
Finmark	LKI	347 kc/s	865 m	1 kW
Bergen II	LLE	355 kc/s	845 m	1 kW
Hamar	LKH	519 kc/s	578 m	1 kW
Kristiansand	LKK	629 kc/s	476.9 m	20 kW
Trøndelag	LKT	823 kc/s	364.5 m	20 kW
Stavanger	LKS	850 kc/s	352.9 m	100 kW
Namsos	LLB	961 kc/s	312.2 m	1 kW
Porsgrunn	LKP	1222 kc/s	245.5 m	1 kW
Frederikstad	LKF	1276 kc/s	235.1 m	10 kW
Notodden	LKN	1294 kc/s	231.8 m	1 kW
Rjukan, Lista and Mosjöen	LKR	1357 kc/s	221.1 m	0.25 kW

Shortwaves:

Frederikstad	LLG	6185 kc/s	48.50 m	8 kW
Tromsø	LLS	7210 kc/s	41.61 m	8 kW
Oslo	LKJ	9540 kc/s	31.45 m	5 kW
Frederikstad	LLG	9610 kc/s	31.22 m	100 kW
Frederikstad	LKQ	11735 kc/s	25.56 m	8 kW
Frederikstad	LLK	11850 kc/s	25.32 m	8 kW
Tromsø	LLM	15175 kc/s	19.77 m	10 kW

Daily Programmes:
Long- and Mediumwaves: Weekdays from 06.30-07.15, 10.10-12.45, 16.00-22.00. *Sundays:* 08.00-12.30, 16.00-22.00.

Shortwaves from 10.45-13.30 and 16.00-22.00 (23.00 Sat. and Sun.)

Weekdays:	*Sundays:*
07.00 News	08.00 News
07.25 Progr. Preview	08.10 Progr. Preview
12.00 News	12.00 News
18.05 News,	18.05 News,
21.10 News	21.10 News,
22.00 Progr. Preview for the next day	22.00 Progr. Preview for the next day

Bergen II: Daily Regional Programmes from 11.00-11.30 and 15.30-17.35 (Sundays only 15.30-18.00)

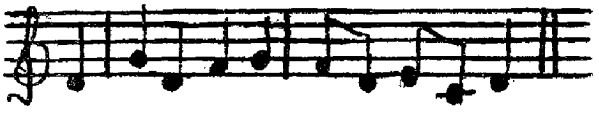
Highlights of Programmes:
Sundays, Wednesdays and partly Thursdays at 19.00 *Symphony Concert*. Thursdays or Fridays at 19.00: *Play*.

Short Wave Programmes for Norwegians Abroad: from 01.00-02.00 on following frequencies:

11735 kc/s	100 kW	Direction East-West
9610 kc/s	8 kW	Direction East-West
6185 kc/s	8 kW	

Announcement: "Dette er Norsk Rikskringkasting". At opening and close down: Norwegian music, generally mixed choir.

Interval-Signal:



Message to Listeners: Reports are answered by QSL cards. Return postage desirable.

POLAND

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address: Polskie Radio, Foreign Liaison, Ul Noakowskiego 20, Warsaw.

Leading Personalities: Director General: Mr. Wilhelm Billig. Vice-Directors: Mr. Jerzy Panski, Mr. Tadeusz Dobrowolski. Chief Engineer: Mr. Wladyslaw Rabecki. Chief Foreign Liaison: Mr. W. Pawlak.

Stations:

Warsaw II	224 kc/s	1339.3 m	10 kW	Nat. and Local
Gdansk	288 kc/s	1054 m	0,5 kW	Local
Warsaw I	758 kc/s	395.8 m	50 kW	National
Poznan	868 kc/s	345.6 m	6 kW	Regional
Wroclaw	950 kc/s	315.8 m	50 kW	Regional
Bydgoszcz	986 kc/s	304.3 m	0,5 kW	Regional
Torun	986 kc/s	304.3 m	24 kW	Regional
Krakow	1022 kc/s	293.5 m	10 kW	Regional
Katowice	1231 kc/s	243.7 m	10 kW	Regional
Lodz	1339 kc/s	224.0 m	10 kW	Regional
Szczecin	1384 kc/s	216.8 m	1 kW	Local
Warsaw III	6215 kc/s	48.25 m	7,5 kW	Foreign Service

Daily Programmes:
Warsaw I. Weekdays: 04.00-07.15, 09.57-11.20 and 12.00-21.30. *Saturdays:* 04.00-07.15, 09.57-22.00. *Sundays:* 05.00-22.00.

04.05 Exercise	05.00 News
04.15 News	05.15 Music
04.52 Progr. Preview	10.03 News, Press Review
10.25 Music	18.00 News
15.45 Radio University (Mond.-Frid.)	19.00 Music
	21.00 News
16.00 News	21.15 Progr. Preview for the next day

Warsaw II:
Weekdays from 14.30-19.35.
Sundays: 07.00-12.35.

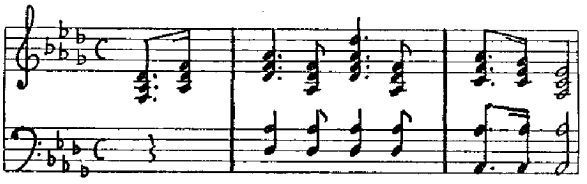
14.30 Programme Preview	16.00 News
14.35 Music and Various	18.00 News
15.15 Opera (Tuesdays)	19.30 Programme Preview for the next day

Highlights of Programmes from Warsaw I
Sunday: 10.05-11.30 Symphony Concert
12.40-13.25 Theatre of Imagination
Tuesday: 19.00-20.15 Symphony Concert
Wednesday: 19.00-19.30 Chopin Concert
Thursday: 19.30-20.10 Theatre
Friday: 15.00-15.45 Concert for Workmen
17.00-19.30 Symphony Concert

Warsaw III.
14.30-16.00 Monday through Saturday: Relay of Warsaw II
15.05-16.00 Sunday: Relay of Warsaw I
16.00-16.20 Broadcast in Russian
16.30-16.45 Broadcast in Bulgarian
16.45-17.00 Broadcast for Czecoslovakia
17.00-17.15 Broadcast for Yougoslavia
17.15-17.30 Thursday: Broadcast in Romanian
Saturday: Broadcast in Hungarian
17.30-19.00 Monday, Tuesday, Friday, Sunday: Relay of Warsaw II
Wednesday: Relay of Warsaw II
17.40-19.00 Thursday, Saturday: Relay of Warsaw I
19.00-19.30 Broadcast for Poles abroad
19.30-19.50 Broadcast in English
19.50-20.10 Broadcast in French
20.10-20.25 Monday, Friday: Broadcast in Spanish
Tuesday, Thursday, Saturday, Sunday: Broadcast in Jiddish
Wednesday: Broadcast in Esperanto
20.25-21.30 Monday through Friday: Relay of Warsaw I
20.25-22.00 Saturday, Sunday: Relay of Warsaw I
21.30-00.30 Monday through Friday: Press News by Polish Press Agency
22.00-01.00 Saturday, Sunday: Press News by Polish Press Agency (dictation speed)

Announcement: The Polish programmes begin every day with a religious song: "Kiedy Ranne Wstaja Zorze". *Shortwave in English:* "This is Warsaw calling on the 49.06 meterband. We begin our daily broadcast in the English language. Here is the news . . ." Between the programmes: "This broadcast comes to you from Warsaw . . ."

Interval-Signal: Warsaw I and III:



Warsaw II: First movement of A flat-major. Polonaise of Chopin.
Katowice: The sounds of hammering.

Message to Listeners: Reports from Listeners of Warsaw III are answered by special QSL-cards as well as by letter. Return postage may not be enclosed

PORTUGAL

Normal Clock Time — G. M. T.
Summer Time — G. M. T. plus 1 hour.

Stations:

Lisbon I		629 kc/s	476.9 m	50 kW	National
Lisbon II		722 kc/s	415.5 m	20 kW	National
Parede	CS2ZA	1068 kc/s	280 m	20 kW	Radio Club
Lisbon	CS2ZL	1321 kc/s	227.1 m	4 kW	Renascenca
Porto	CS2XM	1348 kc/s	222.6 m	1 kW	Renas cenca
Porto		1411 kc/s	212.6 m	10 kW	National -Regional
Coimbra		1429 kc/s	209.9 m	1 kW	National Regional
12 low power stations		1547 kc/s	193.6 m	0,2 kW	
Lisbon	CS2WD	6155 kc/s	48.74 m	5 kW	Renascenca
Bacarerne	CS2MA	6374 kc/s	47.06 m	0,5 kW	National
Bacarerne	CS2MF	9724 kc/s	30.85 m	10 kW	National
Bacarerne	CS2MK	11035 kc/s	27.17 m	10 kW	National
Parede	CS2WJ	12865 kc/s	23.32 m	10 kW	Radio Club
Bacarerne	CS2MP	12749 kc/s	23.52 m	0,5 kW	National

EMISORA NACIONAL

Address: Rua João das Regras y Rua de Quelhas No. 2, Lisbon.

Leading Personalities: President: Mr. Antonio Ferro. Chief-Engineer: Engineer Manuel Bivar. Administrator: Dr. Jorge Felner da Costa. Production Manager: Mr. José Luis da Silva Dias. Station Manager: Engineer Fernando da Cunha d' Eca. Studio-Manager: Engineer Henrique Leote Tavares. Chief for the Administrative Bureau: Dr. José do Carno Carrilho. Chief for the Dept. of Programme-Coordination: Mr. Joao da Silva Tavares. Chief for the Literary Dept.: Dr. Pedro de Moura e Sa. Chief for Music Dept.: Mr. Pedro do Prado.

DAILY PROGRAMMES FOR HOME

In *Portuguese* for Lisbon I from 07.30-09.00 and Lisbon I and II from 11.00-13.00 and 17.30 (Sund. 14.45)-22.30.

07.35 Programme Preview
08.30 News
09.00 Program Preview
12.00 News
13.00 Programme Preview
18.00 News
20.00 News
22.50 News, Progr. Preview for next day (Thursdays).

Highlights of Programmes:
Symphony Concert: 20.45 Thursdays.

DAILY PROGRAMMES FOR OVERSEAS SERVICE:
00.00-01.30 to Portuguese in U. S. A. on 30.85 m
12.00-14.00 to Portuguese Isles on 23.52 m
17.30-20.35 to African and Brazilian Colonies on 27.17 m
18.30-24.00 to Portuguese Isles on 47.06 m
21.00-23.00 to Guinea and Brazil on 27.17 m

Programme consists of: Programme Preview — Music — News — Theatre — Talks.

Announcement: *Mediumwaves:* "Lisboa Emisora Nacional de Radiodifusao". Shortwaves: "Acordes do hino Nacional".

Interval-Signal: Xylophone.

Message to Listeners: "Reports are answered by QSL-card or letter after request."

RADIO CLUB PORTUGUES, PAREDE

Leading Personalities: Director: A. Lima Basto.

Daily Programmes in *Portuguese* from 10.45-13.00 (Sund. 15.45) and 18.30-23.00 on 281 m and 23.32 m.

Announcement: Rádio Club Portugues-Parede-Portugal.

Message to Listeners: Reports answered by QSL-card.

RADIO RENASCENCA

Address: Emisora Católica Portuguesa, Rua Capelo 5, Lisbon.

Leading Personalities: Director: Mr. Manuel Lopes da Cruz. Cooperators: Father Domingos de Oliveira Costa Maia and Father Manuel Pires Moreira. Chief-Engineer: Mr. Francisco Bordalo Machado.

Daily Programmes from 17.00-23.00.

Announcement: In Portuguese: "Aqui Rádio Renascenca, Emisora Católica Portuguese". In *English:* "This is the Portuguese Roman Catholic Broadcasting System". All transmissions open with religious choir.

Interval-Signal: Gong.

RUMANIA

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Societatea Romana de Radiodifuziune, Str. Gen. Berthelot 41, Bucharest.

Leading Personalities: President: Prof. C. Parhon. General Manager: Mr. Matei Socor. Chief of Technical Dept.: Prof. E. Petrascu (Dr. En.). Chief of Administration Dept.: Mr. M Vieru Chief of the Commercial Dept.: Mr. M. Vieru. Chief of Programme Dept.: Prof. Al Grauer (B. es L.).

Stations:

Rumania (Brasov)	160 kc/s	1875 m	150 kW
Bucarest I	823 kc/s	364.5 m	12 kW
Bucarest II	1040 kc/s	289.0 m	5 kW
Dacia Romana	6175 kc/s	48.58 m	0,075 kW
Dacia Romana	9250 kc/s	32.43 m	4 kW
Dacia Romana	11900 kc/s	25.21 m	0,075 kW

Daily Programmes: Radio Rumania (National) and Radio Bucarest I (Regional): *Weekdays* from 04.00-22.00. *Sundays* from 0500-23.00.

04.00 Music (w)
04.30 News (w)
04.30 News in Hungarian (only 1875 m)
05.00 News in Russian
07.00 News in Bulgarian
12.00 News
12.30 Progr. in Hungarian (only 1875 m)
14.00 Progr. Preview (w)
20.00 News
20.30 Music
21.30 News
21.50 Rumanian Folklore Music

Radio Dacia Romana: International Service.
Daily:
17.30 News in Russian
18.00 News in German
18.30 News in French
19.00 News in English

During the intervals folklore music is being broadcast.

Announcement: In English: "Here is the station Radio Rumania on wavelength 1875 metre and Radio Bucarest on 364.5 metre. Ladies and Gentlemen, good morning (good day, good evening)".

Radio Dacia Romana: In English: "This is the Romanian Short-wave station Dacia Romana broadcasting on 25 and 32.4 metres".

Interval-Signals: Radio Rumania and Bucarest I: The first 7 notes of "Imnul Romaniei Libere" (Free Rumania) do-fa-sol-la-si-la-sol. Radio Dacia Romana: Musical notes: re-sol-la-si-do-re-sol.

SPAIN

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Madrid	EAJ7	686 kc/s	437.3 m	15 kW
Sevilla	EAJ5	731 kc/s	410.0 m	5 kW
Madrid	EAJ2	758 kc/s	395.8 m	3,5 kW
Barcelona	EAJ1	795 kc/s	377.4 m	5 kW
Zaragoza	EAJ101	850 kc/s	352.9 m	30 kW
La Coruna		968 kc/s	309.9 m	20 kW
Madrid Arganda		1022 kc/s	293.5 m	120 kW
San Sebastian	EAJ8	1068 kc/s	280.9 m	1,5 kW
Barcelona	EAJ15	1122 kc/s	267.1 m	1 kW
Bilbao	EAJ28	1135 kc/s	264.3 m	2,5 kW
Valencia	EAJ3	1258 kc/s	238.5 m	2 kW
Badalona		1294 kc/s	231.9 m	0,2 kW
Burgos	EAJ27	1447 kc/s	207.3 m	9 kW
Granada	EAJ16	1447 kc/s	207 m	0,5 kW
Syncronised low		1492 kc/s	201.1 m	0,2 kW
power stations		1500 kc/s	200.0 m	0,2 kW
Valladolid	EAJ47	7006 kc/s	42.83 m	0,2 kW
Mediterraneo		7037 kc/s	42.63 m	3 kW
Malaga	EAJ9	7050 kc/s	42.55 m	0,2 kW
Cuenca	EAJ7	7100 kc/s	42.25 m	0,2 kW
SEU	EDV10	7191 kc/s	41.74 m	1 kW
Alicante	FET	7940 kc/s	37.78 m	1,2 kW
Atlantica		8800 kc/s	34.10 m	100 kW
Madrid Arganda		9369 kc/s	32.02 m	40 kW
Atlantica		11600 kc/s	26.70 m	100 kW
Atlantica		17600 kc/s	17.04 m	100 kW

RADIO NACIONAL DE ESPANA

Address: Radio Nacional de Espana, Avenida del Generalisimo num. 40, Madrid. — Direction: Montesquinza 3, Madrid.

Leading Personalities: Director General: Sr. D. Alfredo Guijurro Alcocer, Sub-Director General: Sr. D. Gines de Albareda Herrera, Director of Programmes and Broadcasts: Sr. E. Thomas de Carranza. Chief-Engineer: Excmo. Sr. D. Luis Guijarro Alcocer.. Secretary General: Ilmo Sr. D. Valentin Perez Carasa.

Stations:

Madrid Arganda	1022 kc/s	293.5 m	120 kW
Madrid Local	1022 kc/s	293.5 m	1.5 kW
Madrid Arganda	9368 kc/s	32.02 m	40 kW
La Coruna	968 kc/s	309 m	20 kW

DAILY PROGRAMMES:
Madrid Local: Weekdays: 07.00-10.00 and 14.00-23.30.
Sundays: 07.00-10.00 and 12.00-23.30.
News: 08.45, 13.30, 18.00, 20.45, 23.00.
Religious Service: 08.30 (Sun.)
The transmission from 13.15-13.30 is transmitted by all Madrid stations and from 13.30-13.45 by all national stations.

Madrid Arganda: 293.5 m from 20.00-23.30
20.30 Actualities — 20.45 News — 23.00 News
French and English by Radio alternatively daily at 20.01.
News at 20.45 relayed by all national stations.

Highlights of Programmes: *Theatre:* Monday 21.30, Tuesdays 22.00, Wednesdays 22.00. — *Symphony:* Saturday 22.00

European Service on 32.02 m:

Weekdays:	19.00 Portuguese
18.00 French	19.20 Russian
18.30 German	20.00 English
18.45 Italian	

The news bulletins give a summary of Spanish news and life in Spain; is described in informative talks; also Spanish music including latest songs. On Sunday on the same wavelength are broadcast from 19.46-19.52 a short news bulletin and Spanish Symphonic Music.

Overseas Service on 32.02 m
Broadcast to America 23.45-03.00
Commentary and News: 23.50 and 02.00

La Coruna from 13.00-24.00:
Programmes consist mostly of music.

Announcements: *Medium Waves:* Opening at 07.00 with. "Cancion del Legionario" and "Radio Nacional de Espana Madrid". — At close down: "Radio Nacional de Epana Madrid. Senores radioescuchas termina nuestra emision matinal y nos despedimos de Vds hasta las 13 que daramos comienzo a nuestra emision de mediodia. Senoras y senores muy buenos dias". — At close down at 10.00 is played the National Anthem. — At opening at 12.00 is played the first notes of the march: Cabalgate Militar". — The signature tune for news broadcast is the melody "La Generala".
Short Wave: At opening and close down for all the *European* transmission except the Russian are played: "Cabalgate Militär" and for the Russian transmission extract of the Polonaise of "Eugen Onegin" Opera by Tschaikowsky. — At opening of the transmission to *America* is played notes from "Cabalgate Militär" and at close down: "Los Volutarios". The text of announcement is: "Aqui Radio Nacional de Espana emitiendo para los paises de America disde la otra orilla del Atlantico".
In *French:* "Ici Radio National d'Espagne emettant son programme special pour les pays de langue francaise sur courtes de 32 m 02 correspondant a 9369 kilocycles. Nous emettans 18.00-18.30 heures espagnol. Au cours de notre emission d'aujourd'hui, vous entendrez d'abord: Les nouvelles d'Espagne, le resume des editoriaux de presse et les nouvelles de l'etranger".

Interval-Signal: Gong and.

COMPANIA DE RADIODIFUSION INTER-CONTINENTAL

Address: 50, Diego de Léon, Madrid.

Leading Personalities: Director: Sr. Don Valentin Ruiz Senen. Sub-Director: Sr. M. Locatelli.

Shortwave Stations (200 kW):
17600 kc/s 17.04 m 11600 kc/s 26.70 m 8850 kc/s 34.10 m

SOCIEDA ESPANOLA UNIVERSITARIA

Address: Radio S. E. U., Diego de Leon 43, Madrid.

Leading Personalities: Director: D. Anibal Arias Ruiz. Chief Engineer: D. Francisco Diaz Guerra. Programme Director: D. German Bonet Marco. Chief of transmissions: D. Daniel Baylos Corroza.

Daily Programmes from 11.00-16.00 and 18.00-23.00.

Announcement: Opens with a march song and: "Transmite Radio S. E. U. — La Voz de la Juventud de Espana a traves de los microfonos de su Emisora de onda corta."

Interval-Signal: Gong.

Message to Listeners: "We ask all shortwave listeners to sent us reports about our transmissions, which will be answered.

RADIO ZARAGOZA

Address: Radio Zaragoza, Compania Aragonesa de Rediodifusion, Zaragoza.

Leading personalities: President: Dr. Jesus Muro Sevilla. Chief Engineer: D. Julio Bayona. Manager: Mr. Angel Bayod Usón. Director of Programmes: Mr. José Perlado Cadavieco.

Daily Programmes from 12.00-14.30, 18.00-23.00.

RADIO FALANGE DE ALICANTE

Address: Radio Falange de Alicante, Falange Espanola Tradicionalista, Alicante.

Daily Programmes from 11.30-14.00 and 20.00-21.30.

RADIO BARCELONA EAJ1 (SOCIEDAD ESPANOLE DE RADIODIFFUSION)

Address: Caspe 12, Barcelona.

Daily Programmes in *Spanish* from 07.00-08.00, 11.00-14.30 and 17.00-23.00.

RADIO MADRID EAJ7 (SOCIEDAD ESPANOLA DE RADIODIFFUSION)

Address: Avda José Antonio 32, Madrid.

Leading Personalities: Don Alfredo Guijerro.

Daily Programmes in *Spanish* from 07.00-08.00, 12.00-23.30.

RADIO MEDITERRANEO (SOCIEDAD ESPANOLA DE RADIODIFFUSION)

Address: Avda Marques de Sotelo 2, Valencia.

Daily Programmes in *Spanish* from 11.00-14.00 and 18.00-23.00.

SWEDEN

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Telegrafstyrelsen, Stockholm (Programdistribution).

Leading Personalities: Director General: Mr. Håkon Sterky. Chief of Radio Dept.: Mr. Ernst Magnusson. Chief of Broadcasting Division: Mr. Erik Esping.

Address: A/B Radiotjänst, Stockholm (Programproduction).

Leading Personalities: Director General: Mr. Yngve Hugo. Director of Music: Mr. N. Broman. Director of Talks: Mr. E. Linder. Director of Drama: Mr. Hj. Gullberg. Director of News and Special Events: Mr. O. Forsén. Director of Administration: Mr. E. Mattsson. Technical-Director: J. von Utfall. Director of Central Programmes Dept.: Mr. H. Hahr. Director of Publications Dept.: Mr. M. Ginsburg.

Stations:

Long- and Medium-Waves.

Motala	SBG	216 kc/s	1388.9 m	150 kW
Luleå	SBS	392 kc/s	765.3 m	10 kW
Östersund	SBF	415,5 kc/s	722.0 m	10 kW
Sundsvall	SBD	601 kc/s	499.2 m	10 kW
Malmberget	SCN	704 kc/s	426.1 m	0,2 kW Private
Stockholm	SBX	704 kc/s	426.1 m	55 kW
Göteborg	SBB	941 kc/s	318.8 m	10 kW
Falun	SBV	1086 kc/s	276.2 m	100 kW
Hörby	SBH	1131 kc/s	265.3 m	100 kW
Karlstad	SBK	1312 kc/s	228.7 m	0,25 kW
Malmö	SBC	1312 kc/s	228.7 m	2,5 kW
Norrköping	SBI	1312 kc/s	228.7 m	0,25 kW
Trollhättan	SBJ	1312 kc/s	228.7 m	0,25 kW
Uppsala	SCT	1312 kc/s	228.7 m	0,5 kW
Kiruna	SCL	1348 kc/s	222.6 m	0,2 kW Private
Säffle	SCP	1348 kc/s	222.6 m	0,4 kW Private
Varberg	SCU	1348 kc/s	222.6 m	0,2 kW Private
Örebro	SCV	1348 kc/s	222.6 m	0,2 kW Private
Hudiksvall	SBM	1402 kc/s	214.0 m	1,0 kW
Eskilstuna	SCB	1402 kc/s	214.0 m	0,5 kW
Gävle	SCD	1402 kc/s	214,0 m	0,5 kW
Hälsingborg	SBQ	1402 kc/s	214.0 m	0,5 kW
Porjus	SBE	1402 kc/s	214.0 m	0,075 kW
Umeå	SBL	1402 kc/s	214.0 m	1,0 kW
Visby	SBW	1402 kc/s	214.0 m	0,5 kW
Örnsköldsvik	SBN	1402 kc/s	214.0 m	0,5 kW
Uddevalla	SCR	1411 kc/s	212.6 m	0,05 kW Private
Borås	SCA	1447 kc/s	207.3 m	0,5 kW
Kalmar	SCI	1447 kc/s	207.3 m	0,2 kW Private
Halmstad	SCE	1492 kc/s	201.1 m	0,2 kW Private
Kristinehamn	SCM	1500 kc/s	200.0 m	0,2 kW Private
Jönköping	SCH	1515 kc/s	198.0 m	0,2 kW Private
Karlskrona	SBR	1530 kc/s	196.1 m	0,5 kW

Shortwave.

Motala I	SBO	6065 kc/s	49.46 m	12 kW
Motala I	SBP	11705 kc/s	25.63 m	12 kW
Motala I	SDB2	10780 kc/s	27.83 m	12 kW
Motala II	SBU	9535 kc/s	31.46 m	12 kW
Motala II	SBT	15155 kc/s	19.80 m	12 kW

Daily Programmes for National Stations:
Weekdays (Monday-Friday) from 05.15-05.45, 06.45-07.15, 11.00-13.00, 16.00-ca. 22.15.
Saturdays from 05.15-05.45, 06.45-07.15, 11.00-ca. 22.15.
Sundays from 05.20-05.45 and 07.00-ca. 22.15.

Weekdays:

05.15	Records.
05.30	Weather and records.
06.45	Morning Service.
07.00	News and Weather.
11.00	The Bells of the Town-Hall of Stockholm. Poem of the Day. Music.
11.30	News and Weather. Exchange Prices.
12.00-13.30	Programmes (exc.. Saturday).
15.30	Weather.
c. 16.45-17.55	Records
18.00-18.30	News and Weather. Topics of the Day.
18.30-21.15	Programmes.
21.15-21.30	News and Weather. Topics of the Day.
21.30	Music

Sundays:

06.30	Records.
07.00	News and Weather.
09.00	Records
10.00	Divine Service.
11.40	News and Weather.
15.30	Weather.
17.00	Evening Service.

18.00-18.30 News and Weather. Topics of the Day.
21.15-21.30 News and Weather.

European and Overseas Service on Shortwave.

Sundays:

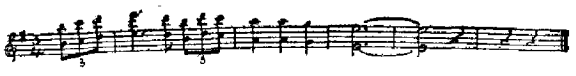
00.00-01.00	For Swedes abroad	on 27.83 m and 19.80 m
01.00-01.15	DX-Programme	on 27.83 m and 19.80 m
06.30-14.00	The National Progr.	on 19.80 m and 25.63 m
14.00-15.00	Progr. for U. S. A.	on 19.80 m and 27.83 m
15.00-22.15	The National Progr.	on 19.80 m and 27.83 m

Weekdays:

00.00-01.00	For Swedes abroad	on 27.83 m and 19.80 m
01.00-01.15	(Sun.) DX-Progr.	on 19.80 m and 27.83 m
06.40-07.15	The National Progr.	on 19.80 m and 25.63 m
07.45-08.00	Saturd. DX-Progr.	on 19.80 m and 25.63 m
11.00-13.30	(Sat. 11.00-12.00 and 13.00-14.00) The Nat. Progr.	on 19.80 m and 25.63 m
14.00-15.00	Progr. for U. S. A.	on 19.80 m and 27.83 m
15.00-15.15	Saturd. DX-Progr.	on 19.80 m and 27.83 m
15.30-17.30	The National Progr. exc. Sat. from 15.00-17.30	on 19.80 m and 27.83 m
17.30-17.55	News in German, English and French	on 19.80 m and 27.83 m
18.00-c. 22.15	The Nat.Progr.	on 19.80 m and 27.83 m

Announcement: "Sveriges Radio ....." and the name of the transmitting station For instance: "Sveriges Radio, Stockholm".

Interval-Signal: An old melody from Dalarne. Every Weekday at 11.00: The bells of the Town Hall of Stockholm.



Message to Listeners: All correct reception reports will be answered by QSL-card. Special questions by letter. Return postage not necessary. Reports concerning the DX-Programmes can be addressed to DX-Editor, Swedish Broadcasting Service, Stockholm, Sweden.

SWITZERLAND

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Addresses:
Neuengasse 30, Berne, Schweizerische Rundspruchgesellschaft, Société suisse de Radiodiffusion, Swiss Broadcasting Corporation.
Neuengasse 28, Berne, Schweizerischer Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service.
Radio-Zurich, Brunnenhofstrasse 20, Zurich.
Radio-Berne, Schwarztorstrasse 23, Berne.
Radio-Basel, Novarastrasse 2, Basel.
Radio-Lausanne, Maison de la Radio, Lausanne.
Radio-Genève, 66 Boulevard Carl Vogt, Genève.
Radio-Lugano, Campo Marzio, Lugano.

Leading Personalities:
General Manager of the S. B. C.: Mr. A. W. Glogg — General Secretary: Mr. Rudolf von Reding — Chief of the Administration Section: Mr. Georges Conus — Chief of the Swiss Shortwave Service: Mr. Paul Borsinger.

Managers of the Regional Sections:
Radio-Zurich: Mr. Jakob Job
Radio-Berne: Mr. Kurt Schenker
Radio Basel: Mr. Emil Notz
Radio-Lausanne: Mr. Marcel Bezençon
Radio-Genève: Mr. René Dovaz
Radio-Lugano: Mr. Stelio Molo

Stations: (Mediumwaves)

Beromunster	556 kc/s	539.6 m	100 kW
Sottens	677 kc/s	443.1 m	100 kW
Monte Ceneri	1167 kc/s	257.1 m	15 kW
Basel[1])	1375 kc/s	218.2 m	0,5 kW
Savièse[2])	1375 kc/s	218,2 m	0,1 kW

1) Relay Beromünster. 2) Relay Sottens.

Schwarzenbourg (Shortwaves)

HER 3	6165 kc/s	48.66 m	100 kW
HEI 3	7210 kc/s	41.61 m	25 kW
HEU 3	7380 kc/s	40.65 m	25 kW
HER 4	9535 kc/s	31.46 m	100 kW
HED 6	9655 kc/s	31.07 m	50 kW
HEI 5	11715 kc/s	25.61 m	25 kW
HEU 5	11815 kc/s	25.39 m	25 kW
HER 5	11865 kc/s	25.28 m	100 kW
HER 6	15305 kc/s	19.60 m	25 kW
HER 7	17784 kc/s	16.87 m	25 kW

HOME PROGRAMMES

Daily Programmes from BEROMUNSTER in German
Weekdays: 05.20-06.30, 10.00-13.30, 15.30-21.30
Saturdays: 05.20-06.30, 10.00-22.00
Sundays: 05.40-06.45, 08.00-22.00

Weekdays:

05.40	Exercise	18.10	Fridays: World-Chronicle
06.00	News	18.30	News
06.05	Programme Preview	18.40	"Echo der Zeit"
10.00	Music	20.45	Mondays: Weekly review for Swiss-abroad
11.30	News	21.00	News
11.40	Music (Saturday "Die Woche'im'Bundeshaus")		
16.30	Children's Hour		

Sundays:

06.00	News	11.30	News
06.05	Programme Preview	13.00	"Die Stunde für das Land". (Folklore music and talks)
08.00	Protestant Service		
08.45	Catholic Service		
09.15	Orchestra	14.00	Music or Sport
10.20	"Vom goldnen Überfluss"	18.30	News
		21.00	News

Highlights of Programmes:
Weekly Review for Swiss Abroad: Mondays at 20.45
Symphony Concert: Tuesdays at 19.00
Play: Thursdays at 19.00
"Bunter Abend": Saturdays at 19.00

Daily Programmes from SOTTENS in French.
Weekdays: 06.10-06.30, 11.15-12.45, 16.30-21.35
Sundays: 06.10-06.30, 07.45-22.00
06.10 Music — 06.15 News — 06.20 Music
11.15 Music — 11.45 News, Music — 18.10 Progr. Preview (Sun.: 07.45 Catholic Service, 09.00 Protestant Service) — 18.15 News — 21.30 News.

Highlights of Programmes:
Tuesday: 19.30 Radio Play
Wednesday: 19.30 Symphony Orchestra

Daily Programmes from MONTE CENERI in Italian.
Weekdays: 06.00-06.45, 10.00-12.45, 15.30-21.30 (Sat. 22.00)
Sundays: 06.00--06.30, 10.00-13.30, 16.30-21.30

06.15 News, Music — 09.40 Catholic Service (Sun.) — 11.15 Music — 11.30 News — 18.00 Music — 18.25 Progr. Preview — 18.15 News — 18.40 Music — 21.15 News, Music.

Hightlights of Programmes: Tuesdays: c. 19.00: Symphony Concert.

EUROPEAN AND OVERSEAS SERVICE SCHWARZENBOURG

European Service:

Weekdays: 05.20-06.40, 11.15-12.15 and 17.00-22.00 on HEI5 and HER3

Sundays: 05.40-06.40 and 07.45-22.00 on HEI5 and HER3

05.20 Exercise (Weekd.)
05.45 News (German)
06.15 Information (French)
06.20 Music (French)
07.45 Holy Mass (Sunday)
10.00 Music (Sunday)
11.15 Home News (German)
11.30 News (German)
11.45 Informations (French)
12.15 Relay of National Progr. (Sunday)
17.00 Ora ticinesé (Italian)
17.50 Political Commentary (French, only Tuesd. and Thursd.)
18.00 Local News (French)
18.15 Informations (French)
18.30 News (German)
18.40 »Echo der Zeit«
19.00 Relay of National Progr.
21.30 News (French)
21.40 Home News. Commentary (German)
21.50 News (German)

Switzerland calling England:
19.15-20.00 on HER5:

19.15 News Commentary
19.20 Home News
19.30 Toward a better World
19.35 Views on the News
19.45 The Swiss Curiosity Shop

Programa para Espana y Portugal:
21.15-22.15 on HER6

21.15 News and Commentary in Portuguese
21.30 Music
21.45 News and Commentary in Spanish
22.00 Music

Africa (only Saturdays)
14.30-15.10 on HER6 and HER7: Schwyzertütsche Heimetobig
15.10-15.50 on HER7: Serata Ticinese
15.50-16.30 on HER6 and HER7 Soirée romande

Switzerland calling South Africa:
20.15-21.00 on HER6

20.15 Home News, Commentary
20.30 Swiss Curiosity Shop
20.45 Causeries en français et nouvelles du pays

Switzerland calling North America:
22.30-23.15 on HEU5
01.30-03.30 on HER4, HER6 and HEU5

22.30 Home News
22.35 News Commentary
22.45 Towards a better World
22.50 Views on the News
23.00 The Swiss Curiosity Shop
01.30 Musical Salute
01.35 News
01.45 Commentary
01.50 Music from Switzerland
02.00 Towards a better World
02.05 Music or Variety
03.00 The Swiss Curiosity Shop
03.15 Home News and Commentary
03.25 Programme Preview

Switzerland calling Australia, New Zealand and Far East:
07.15-08.45 on HER5, HEI5 and HER7 only Mondays, Tuesdays, Thursdays, Fridays and Saturdays:

07.15 Home News
07.30 The Swiss Curiosity Shop
07.45 Towards a better World
07.50 Mondays: Soirée romande. — Tuesdays: Music by Swiss Composers and Folk Music. — Thursdays: Serata ticinese. Fridays: The Symphony Hour. — Saturdays: For Swiss listeners

Switzerland calling the Orient:
15.00-16.30 on HER5 and HER7 only Mondays, Tuesdays, Thursdays, Fridays:

15.00 Home News, Commentary
15.15 Swiss Curiosity Shop
15.30 Toward a better World
15.35 Mondays: Soirée Romande. — Tuesdays: Music by Swiss Composers. — Thursdays: The Symphony Hour. — Fridays: Schwyzertütsche Heimetobig.

Programa para America Latina:
23.30-01.00 on HER4, HER5 and HER6

23.30 Programme in Brazilian
23.45 (in Spanish) Sundays: Concierto dominical. — Mondays: Soirée romande. — Tuesdays: Musica. — Wednesdays: Serata Ticinese. — Thursdays: Concierto sinfónico. — Fridays: Para los Suizos. — Saturdays: Bailables en Suiza.
00.40 News and Commentary in Spanish.

Announcements:

Beromunster: "Schweizerischer Landessender Beromünster, Studio . . . Basel, Bern oder Zürich."

Sottens: "Emetteur national de Sottens, Studio de Lausanne ou de Genève."

Monte Ceneri: "Stazione nazionale del Monte Ceneri, Studio di Lugano."

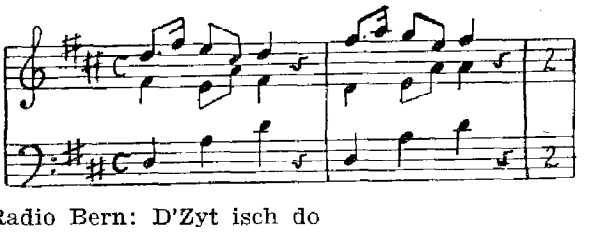
Schwarzenburg: "Schweizerischer Kurzwellensender Schwarzenbourg." "Ici, la Suisse. Emetteur national d'ondes courtes de Schwarzenbourg." "Qui è la Svizzera, trasmettitore nazionale ad onde corte di Schwarzenbourg." "Switzerland calling! The Swiss Broadcasting Corporation."

News-announcements:

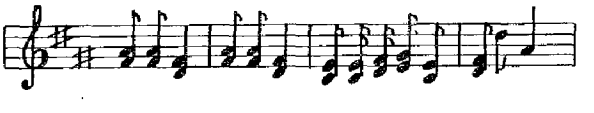
Beromunster: "Sie hören die Nachrichten der Schweizerischen Depeschenagentur in Bern."
Sotten: "L'agence télégraphique siusse à Berne vous donne les dernières nouvelles."
Monte Ceneri: "Seguono da Berna le ultime Notizie."

Interval-Signal:

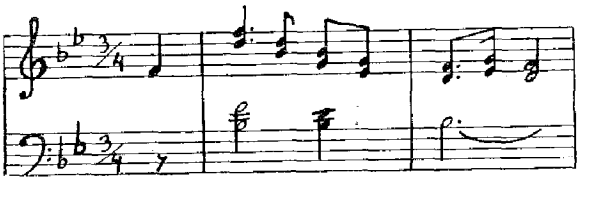
Beromunster: Radio Basel: "Z'Basel a mym Rhy"



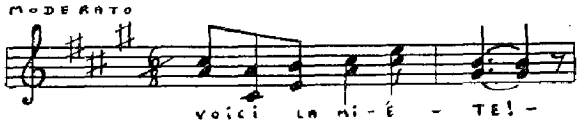
Radio Bern: D'Zyt isch do



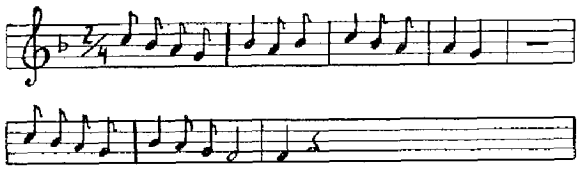
Radio Zurich: "Chum Bueb und lueg dis Ländli a"



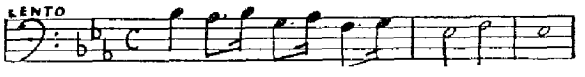
Sottens: Radio Lausanne: "Voici la mi-été"



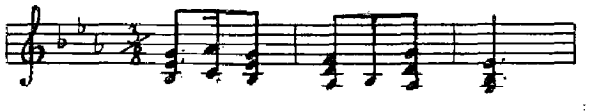
Radio Genève: "Quelle fatale journée"
chanson de l'Escalade



Monte Ceneri: "Campane delle Chiesa di Pazzalino"



Schwarzenbourg: "Lueget vo Berg und Thal"



Message to Listeners: Reports are welcomed and answered by QSL-cards.

U. S. S. R.

Normal Clock Time — G. M. T. plus 3 hours.
No Summer Time.

Address: Radio Centre, Moscow

Stations: *Long- and Mediumwave:*

Transmissions for			
North West Area (Kowno)	153 kc/s	1961 m	120 kW
Moscow	174 kc/s	1724 m	200 kW
Tschita	195 kc/s	1546 m	100 kW
Transmissions for			
South West Area (Odessa)	200 kc/s	1500 m	100 kW
Leningrad	208 kc/s	1442 m	100 kW
Baku	218 kc/s	1379 m	50 kW
Moscow	232 kc/s	1293 m	100 kW
Kiew	248 kc/s	1210 m	100 kW
Minsk	269 kc/s	1115 m	100 kW
Leningrad	271 kc/s	1107 m	50 kW
Erivan	366 kc/s	824 m	50 kW
Sverdlovsk	370 kc/s	810.8 m	50 kW
Petropavlovsk	385 kc/s	779.2 m	50 kW
Charkow	385 kc/s	779.2 m	50 kW
Omsk	395 kc/s	759.5 m	50 kW
Ufa	405 kc/s	741 m	50 kW
Gorki	530 kc/s	566 m	50 kW
Wilna	536 kc/s	559.7 m	50 kW
Rostow	556 kc/s	539.6 m	50 kW
Riga	583 kc/s	514.6 m	50 kW
Moscow	620 kc/s	483.9 m	100 kW
Stalingrad	648 kc/s	463 m	50 kW
Stavropol	722 kc/s	415.5 m	50 kW
Tallinn	731 kc/s	410.4 m	50 kW
Kuybischew	767 kc/s	391.1 m	50 kW
Stalino	776 kc/s	386.6 m	10 kW
Moscow	832 kc/s	360.6 m	100 kW
Dnjepropetrovsk	913 kc/s	328.6 m	10 kW
Moscow	950 kc/s	315.8 m	100 kW
Odessa	968 kc/s	309.9 m	10 kW
Leningrad	1040 kc/s	288.6 m	10 kW

Relay for Moscow:

Berlin	191 kc/s	1571 m	100 kW

Shortwave-Stations:

5330 kc/s	56.29 m	8820 kc/s	34.00 m	11890 kc/s	25.23 m
5652 kc/s	53.15 m	9436 kc/s	31.80 m	11900 kc/s	25.21 m
5725 kc/s	52.40 m	9500 kc/s	31.58 m	11950 kc/s	25.10 m
5940 kc/s	50.51 m	9540 kc/s	31.45 m	11960 kc/s	25.08 m
5960 kc/s	50.30 m	9565 kc/s	31.36 m	12020 kc/s	24.96 m
6020 kc/s	49.83 m	9595 kc/s	31.27 m	12270 kc/s	24.45 m
6070 kc/s	49.42 m	9600 kc/s	31.25 m	12370 kc/s	24.25 m
6130 kc/s	48.94 m	9610 kc/s	31.22 m	13190 kc/s	23.00 m
6220 kc/s	48.23 m	9650 kc/s	31.09 m	15040 kc/s	19.95 m
6485 kc/s	46.26 m	9740 kc/s	30.80 m	15086 kc/s	19.88 m
6690 kc/s	44.84 m	9760 kc/s	30.73 m	15130 kc/s	19.83 m
7160 kc/s	41.87 m	9780 kc/s	30.67 m	15170 kc/s	19.78 m
7190 kc/s	41.72 m	9790 kc/s	30.64 m	15230 kc/s	19.70 m
7200 kc/s	41.67 m	9800 kc/s	30.61 m	15270 kc/s	19.65 m
7270 kc/s	41.26 m	9880 kc/s	30.36 m	15300 kc/s	19.61 m
7290 kc/s	41.15 m	9915 kc/s	30.26 m	15310 kc/s	19.60 m
7300 kc/s	41.10 m	11630 kc/s	25.79 m	15320 kc/s	19.58 m
7310 kc/s	41.04 m	11710 kc/s	25.62 m	15340 kc/s	19.56 m
7320 kc/s	40.98 m	11720 kc/s	25.60 m	15360 kc/s	19.53 m
7330 kc/s	40.93 m	11740 kc/s	25.55 m	15407 kc/s	19.47 m
7340 kc/s	40.87 m	11750 kc/s	25.53 m	15440 kc/s	19.43 m
7360 kc/s	40.76 m	11760 kc/s	25.51 m	15550 kc/s	19.29 m
7390 kc/s	40.60 m	11780 kc/s	25.47 m	17740 kc/s	16.91 m
7430 kc/s	40.38 m	11830 kc/s	25.36 m	17768 kc/s	16.88 m
7490 kc/s	40.00 m	11875 kc/s	25.26 m	17838 kc/s	16.82 m
7785 kc/s	39.00 m	11880 kc/s	25.25 m	17860 kc/s	16.80 m

HOME PROGRAMME

Daily Programmes in Russian from Moscow I.
On 1961, 1724, 420.8, 50.36, 49.75, 31.58, 25.62, 25.55, 19.70, 19.65 and 19.56 from 03.00-20.45.

Daily Programmes in Russian from Centre Moscow II.
On 1293, 315.8, 40.93 and 30.61 m. From 12.00-23.00.

Daily Programmes from Moscow III. On 360 m and 31.41 m.

EUROPEAN SERVICE

Daily Programmes in order of languages:

Austrian:
17.00-17.30 in 25-19 m. b. and 506 m
18.00-18.30 in 25 m. b. and on 377 and 1115 m

Bulgarian:
15.30-16.00 in 31-25-19 m. b.
16.30-17.00 in 31-25-19 m. b.
17.30-18.00 in 31-25-19 m. b.
21.00-21.15 in 31-25-19 m. b.

Czech:
16.30-17.00 in 31-25-19 m. b.
18.30-19.00 in 31-25-19 m. b.
21.00-21.30 in 31-25-19 m. b. and on 1115 m.

Danish:
17.00-17.15 on 25.79 m
18.30-19.00 on 30.80 m, 405 m and 415 m

Dutch:
15.30-16.00 in 25-19 m. b.
18.15-18.30 in 31-25-19-16 m. b.

English:
12.30-13.00 in 25-19 m. b.
14.00-14.30 in 31-25-19 m. b.
17.30-18.00 in 31-25-19 m. b.
18.30-19.00 in 31-25-19-16 m. b.
20.00-20.30 in 31-25-19-16 m. b.

Finnish:
14.15-14.45 in 31-25-19 m. b.
19.00-19.30 on 41.10 and 514.6 m
20.30-21.00 on 41.10 and 514.6 m.

French:
12.00-12.30 in 25-19 m. b.
17.00-17.30 in 31-25-19 m. b.
19.00-19.30 in 31-25-19-16 m. b.
21.00-21.30 in 31-25-19-16 m. b.

German:
11.30-12.00 in 49-31-25-19 m. b. and on 415 m
14.30-15.00 in 49-31-25-19 m. b. and on 415 m
16.00-16.30 in 31-25 19 m. b. and on 415 m and 1571 m
19.30-20.00 in 49-31-25 m. b. and on 415 m
20.30-21.00 in 49-41-31-25 m. b. and on 1571 m
21.30-22.00 in 49-31-25 m. b. and on 415 m
22.30-23.00 in 49-41-31-25 m. b. and on 1571 m

Greek:
16.30-16.45 in 25-19-16 m. b.
18.30-19.00 in 25-19-16 m. b.
20.00-20.15 in 31-25-19 m. b.

Hungarian:
16.00-16.30 in 31-25-19 m. b.
18.00-18.30 in 31-25-19 m. b. and on 1115 m.

Italian:
16.30-17.00 in 25-19 m. b.
18.30-19.00 in 31-25-19 m. b.
19.30-20.00 in 31-25-19 m. b.

Norwegian:
19.30-20.00 on 41.10 m and 514.6 m

Polish:
15.30-16.00 in 31-25-19 m. b.
17.30-18.00 in 31-25-19 m. b.
19.00-19.30 in 31-25-19 m. b. and on 1115 m
20.30-21.00 in 31-25-19 m. b. and on 1115 m

Portuguese:
22.00-22.30 in 31-25 m. b.

Spanish:
19.00-19.30 in 25-19 m. b.
21.30-22.00 in 31-25-19 m. b.
22.30-23.00 in 31-25 m. b.

Swedish:
20.00-20.30 on 41.10 m and 514.6 m
21.00-21.15 on 41.10 m and 514.6 m

VATICAN STATE

Normal Clock Time — G. M. T. plus 1 hour.
Summer Time — G. M. T. plus 2 hours.

Address: Radio Station, Vatican City (Stazione Radio, Città del Vaticano).

Leading Personalities: Director of Vatican Radio Station: Father Soccorsi, Prof. Filippo S. J.

Stations: Radio Vaticano, HVJ.

1348 kc/s	222.55 m	1 kW
5970 kc/s	50.26 m	50 kW
6005 kc/s	49.96 m	50 kW
6030 kc/s	49.75 m	50 kW
6190 kc/s	48.47 m	50 kW
7250 kc/s	41.38 m	50 kW
7280 kc/s	41.21 m	50 kW
9550 kc/s	31.41 m	50 kW
9660 kc/s	31.06 m	50 kW
11685 kc/s	25.67 m	50 kW
11740 kc/s	25.55 m	50 kW
15095 kc/s	19.87 m	50 kW
15120 kc/s	19.84 m	50 kW
17450 kc/s	17.19 m	50 kW
17840 kc/s	16.82 m	50 kW

EUROPEAN-SERVICE

Every Sunday at 09.30 on 31.06 m and 50.26 m: Broadcast Mass, celebrated for the intentions of the Holy Father. Music during the Mass.
Gospel homily for 15 mins. before Mass, alternately in English, French, German, Spanish and Polish.

Daily Programmes in English:
News at 14.00 on 31.06 and 19.87 m
Talks at 18.15 on 31.06 and 50.26 m

Daily Programmes in Italian:
News at 12.30 on 48.47-50.26 and 222 m
Talks at 19.30 on 48.47-50.26 and 222 m
Every Monday 17.15 on 48.47-50.26 and 222 m. Religious Dialogue
Every Saturday 19.15 on 48.47-50.26 and 222 m. Religious Dialogue
Every Sunday 10.15 on 48.47-50.26 and 222 m. Gospel homily
Every Sunday 11.30 on 48.47-50.26 and 222 m. "Campo di Dio" Radio panorama of Catholic activities

Daily Programmes in French:
News at 13.30 on 31.06 and 19.87 m
Talks at 18.55 on 31.06 and 50.26 m

Daily Programmes in German:
News at 13.45 on 31.06 and 19.87 m
Talks at 19.45 on 48.48 and 50.26 m

Daily Programmes in Spanish:
News at 13.15 on 31.06 and 19.87 m
Talks at 20.00 on 48.47 and 50.26 m

Daily Programmes in Polish:
News at 14.15 on 31.06 and 19.87 m
Talks at 19.15 on 48.47 and 50.26 m. (Every: Tuesday-Wednesday-Thursday-Friday-Sunday)

Czech and Slovac Programmes:
News at 12.50 on 31.06 and 19.87 m (Every: Tuesd.-Sat.)
News at 18.00 on 31.06 and 50.26 m (Every: Mond.-Wednesd.-Frid.)

Croat Programmes:
News at 12.50 on 31.06 and 19.87 m (Every: Wednesday)
News at 18.00 on 31.06 and 50.26 m (Every: Tuesd.-Sund.)

Slovene Programmes:
News at 18.00 on 31.06 and 50.26 m (Every: Thurs.-Sat.)

Dutch Programmes:
News at 12.50 on 31.06 and 19.87 m (Every: Friday)
News at 18.40 on 31.06 and 50.26 m (Every: Mond.-Thursd.)

Hungarian Programmes:
News at 12.50 on 31.06 and 19.87 m (Every: Thursday)
News at 18.40 on 31.06 and 50.26 m (Every: Wednesd.-Sund.)

Lithuanian Programmes:
News at 12.50 on 31.06 and 19.87 m (Every: Sunday)
News at 18.40 on 31.06 and 50.26 m (Every: Saturday)

Arab. Programme:
News at 17.45 on 31.06 m (Every: Saturday)

Portuguese Programme:
News at 20.15 on 48.47 and 50.26 m (Every: Thursd.-Sund.)

Rumanian Programme:
News at 12.50 on 31.06 and 19.87 m (Every: Monday)

Ukrainian Programme:
News at 18.40 on 31.06 and 50.26 m (Every: Tuesday)

OVERSEAS SERVICES

Africa Service: In English, French, Italian, Portuguese, Abyssinian:
Sunday-Thursday 1630-1700 on 19.84; 25.55 and 31.06 m
Tuesday-Friday 1500-1530 on 19.84 and 16.82 m
Wednesday-Saturday 0630-0700 on 19.84 and 16.82 m

India Service: In English:
Tuesday-Friday 1500-1530 on 19.84 and 17.19 m

Near and Middle East Service: In Arab., Italian:
Tuesday: 2015-2045 on 48.47 and 50.26 m
Saturday 1730-1800 on 31.06 m

South East Asia Service: In English, Spanish, Dutch:
Wednesday-Saturday 1200-1230 on 17.19; 16.82; 19.84 and 25.55 m

Central America Service: In Spanish:
Sunday-Thursday 0000-0030 on 41.38; 31.41;25.55 and 19.84 m
Thursday 2030-2100 on 25.67 and 19.87 m

North America Service: In English, French, Spanish, Italian, Polish:
Sunday-Thursday 0030-0010 on 41.38; 31.41;25.55 and 19.84 m
Sunday-Thursday 0130-0200 on 16.82; 25.55 and 19.84 m

South America Service: In Spanish:
Sunday-Thursday 0100-0130 on 41.38; 31.41;25.55 and 19.84 m

Brazil Service: In Portuguese:
Sunday-Thursday 2320-0000 on 41.38; 31.41;25.55 and 19.84 m

Australian-New Zealand Service; In English:
Wednesday-Saturday 0700-0730 on 16.82; 19.84 and 25.55 m

ANNOUNCEMENTS: In *English:* "Laudetur Jesus Christus" this is the Vatican Radio."

OPENING-SIGNAL: The bells of St. Peters.

INTERVAL-SIGNAL: Carillon on organ — Melody "Christus Vincit".

YUGOSLAVIA

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Radio A-D Belgrade, Direkcija Belgrade, Kneza Milosa 16 /v Belgrad.

Leading Personalities: President: Mr. Jovan Marinovitch. — Secretary General: Mr. V. Korac. — Chief Engineer: Mr. V. Popovic.

Stations:

Ljubljana I (Slovenia)	527 kc/s	569 m	12 kW	Regional
Sarajevo I (Bosnia)	605 kc/s	496 m	4,5 kW	Regional
Zagreb (Croatia)	629 kc/s	477 m	10 kW	Regional
Maribor	668 kc/s	449 m	5 kW	National
Beograd I	686 kc/s	437 m	20 kW	Regional
Skoplje I (Macedonia)	704 kc/s	426 m	20 kW	National
Beograd II	895 kc/s	335 m	10 kW	Regional
Ljubljana II (Slov.)	1231 kc/s	244 m	0,6 kW	Local
Skoplje II (Maced.)	1240 kc/s	242 m	0,3 kW	Regional
Cetinje (Montenegro)	1303 kc/s	230.2 m	0,2 kW	Regional
Sarajevo II (Bosnia)	1366 kc/s	220 m	4,5 kW	Local
Beograd	6150 kc/s	48.78 m	10 kW	
Beograd	9420 kc/s	31.85 m	50 kW	
Beograd	9505 kc/s	31.56 m	50 kW	
Beograd	11735 kc/s	25.56 m	10 kW	

Among the most important plans to be carried out are a 150 kW medium wave transmitter in Belgrade and a 130 kW transmitter in Zagreb. 20 and 60 kW transmitters are under construction in the other republics.

Daily Programmes: Belgrade I: 05.25-08.05, 11.15-14.00, 15.40-22.15.

Daily Programmes in foreign languages:
31.85 m: 05.00-07.15 and 11.15-13.30.
48.78 m: 16.00-22.00.

05.15 Albanian	13.15 Bulgarian	18.45 German
05.30 Greek	16.00 French	19.00 Italian
05.45 German	16.15 Polish	19.15 Bulgarian
06.00 Bulgarian	16.30 Hungarian	19.30 Hungarian
11.15 Albanian	16.45 Rumanian	19.45 French
11.30 Italian	17.15 Turkish	20.15 Greek
11.45 Greek	17.30 English	20.30 English
12.00 Slovenian	17.45 German (Austria)	20.45 Slovenian
12.15 Russian		21.15 Spanish
13.00 French	18.00 Russian	

Announcement: "Radio Beograd". Frequently female announcer.

Interval-Signal: Four bell tones.

Message to Listeners: "Reports are answered by letter."

ESPERANTO en la radio.
Horindiko: G. M. T.

Ciutage (Weekdays):
15.30-15.45 Praha. 1935 m and 25.34 m: Informoj. Musiko.
17.15-17.30 Paris. 41.21 m: Informoj.
21.00-21.15 Praha. 31.41 m: Informoj. Musik.

Dimanco (Sunday):
15.00-15.15 Svedio. 19.80 and 27.83 m: Informoj pri la 33a Kongreso en Malmö.

Lundo (Monday):
11.30-11.40 Prg 2. Brazilio. 104 m: Informoj.
17.30-17.40 Wien II. 31, 41.80 and 228.6 m: Informoj.
20.50-21.00 Praha I. 470.2 m: Musiko. Informoj.
21.00-21.30 Praha II. 269.5 and 325.4 m.
22.30-22.35 Budapest I. 549.5 m.

Mardo (Tuesday):
17.45-17.50 Bern. 31.46 and 48.66 m (HER 4 — HER 3): Dr. Bauer.
18.50-19.00 Sofia. 32.09 m: Informoj.
20.45-21.00 Hradec Králové. 238 m.
21.00-21.10 Moravska Ostrava. 259.1 m.

Merkredo (Wednesday):
05.35-05.45 Wien 506.8 m.
10.15-10.35 Paris. 431.70 m: Esperantokurso.
20.10-20.25 Warsawa III. 48.25 m.
22.30-22.35 Budapest I. 549.5 m.

Jaudo (Thursday):
17.45-17.50 Bern (HER 4 — HER 3): Informoj. Dr. Privat.
17.45-18.00 Hradec Králové. 238 m.
20.50-21.00 Praha. 470.2 m.
21.00-21.10 Moravska Ostrava. 259.1 m.

Vendredo (Friday):
17.15-17.30 Hilversum I. 301 m: N. C. R. V.
18.50-19.00 Sofia. 32.09 m: Informoj.
22.30-22.35 Budapest I. 549.5 m: Informoj.
Informoj = Information.

AFRICA AND NEAR EAST

PORTO DELGADA
TENERIFFE
ORAN
RABAT
TUNIS
ALGIERS
TRIPOLIS
BENGHAZI
CAIRO
ANKARA
TÆBRIZ
ALEPPO
BEIRUT
TEHERAN
BAGHDAD
JERUSALEM
PRAIA
DAKAR
BISSAU
ACCRA
LAGOS
OMDURMAN
ADEN
ADDIS ABEBA
NAIROBI
BRAZZAVILLE
LÉOPOLDVILLE
LUANDA
LOBITO
BENGUELA
LUSAKA
SALISBURY
TANANARIVE
LOURENCO MARQUES
JOHANNESBURG
CAPE TOWN
ST. DENIS RÉUNION
PT. LOUIS MAURITIU

Ethiopians Speaker ved Mikrofonen.

map Africa Near East Ethiopia

AFRICA AND NEAR EAST

ALGERIA

Normal Clock Time — G. M. T.
No Summer Time.

Address: Radio-Algerie, 10 rue Hoche, Algiers.

Leading Personalities: Director: Henry Gaynaud. Chief-Engineer: Mr. Ange Bariani. Chief of Music Dept.: Mr. Georges Tessier. Chief of Talks: Mr. Marcel Harouimi. Chief of News Dept.: Mr. Jean Besombes. Chief of Arabic Transmisions: Mr. Cdt. Wilson.

Stations:

Network for French Transmissions.

Algiers I	941 kc/s	318.8 m	20 kW	
Constantin I	1086 kc/s	276 m	0,15 kW	
Bone	1249 kc/s	240.2 m	0,2 kW	
Oran I	1429 kc/s	209.9 m	1 kW	
Algiers III	9570 kc/s	31.34 m	10 kW	(Summer)
Algiers III	11835 kc/s	25.35 m	10 kW	(Winter)

Network for Arabic Transmissions.

Algiers II	1113 kc/s	269.5 m	10 kW	
Oran II	1255 kc/s	239.2 m	0,2 kW	
Constantin II	1438 kc/s	208.6 m	0,75 kW	
Tlemcen	835 kc/s	359 m	0,75 kW	
Algiers III	9570 kc/s	25.35 m	10 kW	(Summer)
Algiers III	11835 kc/s	25.35 m	10 kW	(Winter)

Note: Two shortwave transmitters under construction; nearly finished. Energy 25 kW, frequencies 19, 25, 31 and 41 metre bands.

Daily Programmes in French:
Sundays from 07.00-23.00. *Weekdays* from 06.30-08.00. 12.00-14.00. (*Thursdays* 15.00) and 18.30-23.00 (*Saturdays* 24.00).
On 31.34 m daily only from 20.00-23.00.
News: 06.30, 07.30, 12.45, 13.55, 18.30, 20.00 and 22.45.

Highlights of Programmes:
Symphony: 20.45 or 21.00 on Friday.
Music Hall: 11.10 on Sundays.
Theatre: 20.30 on Tuesdays and Saturdays.
Magazines: 19.30 on Weekdays.
Protestant Talk: 08.10 on Sundays.
Mass from Chapel Sainte-Elisabeth, Algiers: 08.30 on Sundays.

Daily Programmes in Arabic:
Sundays from 07.00-09.00, 11.00-15.00 and 18.00-22.30.
Weekdays from 06.30-08.00, 11.45-14.00(Sat. 14.00) and 18.00-22.30 (Sat. 23.00).
On 31.34 m daily only from 18.30-20.00.

Announcement: *French network:* "Ici Radio Algerie, nous emettons sur 318 m (et 31.34. le soir de 20 H à 23 H).
Arabic network: "El Djezoir" (Alger) (sur 269 m 50 et 31.34 m le soir de 18 H 30 à 20 H 00).

Interval-Signals: *French network:* Before and after *each transmission* extract from the melodies: "Marouf" by Rabaud and "Escales" by Jaques Ibert. Before and after *news* extracts from the melody "La Casquette du Pere Buegeaud" played on bells. After the transmissions of the day: "La Marseillaise". *Arabic network:* Before and after each transmission extracts from a modern melody of Salim Halali.

Message to Listeners: "Reports are answered either by QSL card or by letter".

ANGOLA (Portuguese West Africa)

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

RADIO BENGUELA

Address: Radio Club de Benguela, P. O. B. No. 19, Benguela.

Leading Personalities: President: Dr. Antonio Duraes.
Stations: *Radio Club de Benguela.*

CR6RB	9165 k/cs	32.73 m	0,45 kW
CR6RF	7054 kc/s	42.54 m	0,15 kW

Daily Programmes: On 32.73 m from. 11.15-12.00. On 42.54 m 17.30-19.00.
News in Portuguese at 16.00 and 18.30.

Announcement: "Radio Club de Benguela, Angola, Africa Occidental Portuguesa".

Interval-Signal: Four chimes every quarter of the hour. Close down with the National Anthem.
Message to Listeners: "We ask all shortwave listeners to send us reports, which will always be verified".

RADIO LOBITO

Address: Radiodifusora do Lobito. Caixa Postal 103, Lobito.

Leading Personalities: Director and Owner: Álvaro de Carvalho. Director of Programmes: Marcolino Lopes.

Stations: Radio Lobito.

CR6AA	7177 kc/s	41.80 m	1 kW

Daily Programmes:
In *Portuguese* from 06.15-06.45, 11.30-12.45, 18.00-20.00.
In *English: Sundays* from 15.30-16.30.
Announcement: "This is Lobito, short-wave broadcasting station CR6AA."
Interval-Signal: Chimes.
Message to Listeners: The Radio Station CR6AA, at Lobito, Angola, Portuguese West Africa greets all listeners and is always glad to receive their comments on programmes.

RÁDIO CLUBE DE ANGOLA

Address: P. O. Box 229, Luanda, Angola.
Leading Personalities: Director General: Comandante Manuel de Albuquerque e Castro. Director Secretary: Carlos Alves. Director Treasurer: Henque Moreira. Director of Programmes: Doctor Abel Pratas. Director of Engineering: Engenheiro Rogério de Lima.

Stations:

CR6-RC	11.730 kc/s	25.58 m	0.10 kW
CR6-RA	11.035 kc/s	27.18 m	0,25 kW
CR6-RN	9.475 kc/s	31.66 m	1 kW
CR6-RL	7.299 kc/s	41.10 m	1 kW

Daily Programmes:
Weekdays: 06.00-07.00 on 11035 kc/s and 7299 kc/s
11.15-12.45 on 11035 kc/s, 9475 kc/s and 7299 kc/s
18.30-21.00 on 9475 kc/s and 7299 kc/s
Sundays: 08.00-09.30 on 9475 kc/s
15.30-17.30 on 9475 kc/s and 7299

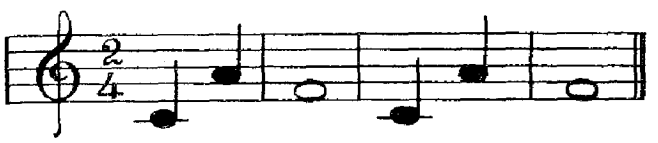
06.00	Morning Melodies	12.35	Dance Music
06.30	News in Portuguese	15.30	Light Music (Sun.)
06.40	Light Music	16.00	Children's Hour (Sun.)
06.50	Portuguese Songs	17.00	Dance Music (Sun.)
08.00	Religious Service (Sun.)	18.30	Dinner Music
		19.00	Classic Music
09.00	International Programme (Sun.)	19.20	News in Portuguese
		20.30	Programme Preview for the next day
11.15	Light Music		
12.00	News in Portuguese	20.35	Dance Music
12.10	Classic Music	21.00	Portuguese Anthem

Highlights of Programmes:
Modern Music on Mondays at 19.30
Fado (a portuguese popular song) on Tuesdays at 19.30
News and Sports on Tuesdays at 12.30

Theatre on Tuesdays at 20.00
Press Review on Wednesdays at 12.30
Actualities and Varities ("Gazeta Radiofónica") on Thursday at 19.30
Official news on Fridays at 12.15
Music and Commentary on Fridays at 19.30
Radio Bolletin-Message to Listeners on Saturdays at 12.30
Symphony Concert on Saturdays at 19.30

Announcement: "Luanda, Rádio Clube de Angola".

Interval Signal:



AZORES

Normal Clock Time — G. M. T. minus 2 hours.
Summer Time. — G. M. T. minus 1 hour.

Address: Emissor Regional dos Azores, Ponta Delgada, San Miguel, Azores.

Stations: Ponta Delgada.

CSX2	4040 kc/s	74.26 m	1 kW Local
CSX2	7015 kc/s	42.76 m	1 kW To Europa

Daily Programmes in *Portuguese* 74.65 m from 19.00-20.00 42.76 m from 21.00-23.00.
Weekly Press Review: 22.00 Sundays.
Azorian Anthology: 21.45 Wednesdays.
Music by "Azorean Academy": 22.15 Fridays.
News: Daily 19.45.

Announcement: "Emissor Regional dos Azores."
Message to Listeners: Reports answered by letter.

BELGIAN CONGO

Normal Clock Time: — G. M. T. plus 1 hour.
No Summer Time.

Radio Congo Belge depends on the colonial government and R. N. B. Leopoldville on the Belgian Radio. Each has a different purpose. The R. N. B. Leopoldville is a section of the Belgian Overseas Service. Radio Congo Belge is the radio for listeners in Belgian Congo.

RADIODIFFUSION NATIONALE BELGE
Address: Radiodiffusion Nationale Belge à Léopoldville, Congo Belge.
Leading Personalities: Shortwave Service of I. N. R.-Brussels under the same General Direction.
Brussels: Oversea's Director: Mr. F. Zoete. Assistant: Mr. M. Hankard.
Léopoldville: Director: Mr. M. Depré.

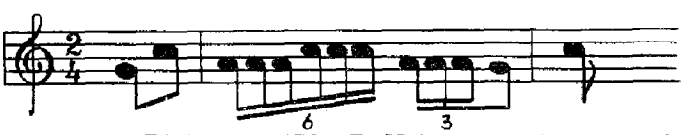
Stations: *Léopoldville,* 50 kW.

OTC5	17768 kc/s	16.88 m	inactive
OTC2	9467 kc/s	31.71 m	Summer

Daily Programmes from:
18.00-19.00: *Dutch.* News. Letters from Listeners. Music. Actual Chronicle. — To Netherlands and South Africa.
19.00-19.30: *Dutch:* Belgian News. The week in Belgiun. To Belgian soldiers in Germany and Belgium all over the world.
19.30-20.30. *English.* News — "Amongst friends" (greetings to Listeners from whom letters are received exc. Sun.) — Music. — Talk or Belgian Feature. — News Summary. — To Great Britain and British Territoires in Africa.
20.30-22.00. *French:* News and Belgian Chronicle. — Music. — News Summary. — Letters from Listeners, To France, Switzerland and French Colonies.
22.00-22.30. *French:* Belgian News. — Events of the Day. — Letters from Listeners. — Actualities of the Week in Belgium or Press Review. — To French soldiers in Germany and Belgians all over the world.
22.30-23.45. *Dutch and French:* News. — Sport. — Light Music. — Information to Seamen. — Letters from Listeners. — To Belgian seamen.
24.00-01.00. *French:* News and Belgian Chronicle. — Music. — Letters from Listeners or Actualities. — Press Summary. To Canada and Latin America.
01.00-01.30: *French:* Repetition of Programme fra 22.00-22.30.
01.30-02.00. *Dutch:* Repetition of Programme from 19.00-19.30.
02.00-04.00: *English:* 02.00 News and Talks. 02.15 Music and Talk or Feature - News Summary. To United States and Canada.

Announcement: *French:* "Ici Léopoldville, la Radiodiffusion Nationale Belge". — *Dutch:* "Hier Leopoldstad, de Belgische Nationale Radio-Omroep". *English:* "This is Leopoldville, Belgian Congo, Belgian National Broadcasting Service", and the same text in other languages.

Interval-Signals: Native xylophone.



Message to Listeners: "The R. N. B. greets listeners all over the world and welcomes their comments and technical reports. Answers by QSL-card and on the air in the feature "Amongst friends".

RADIO CONGO BELGE
Address: Radio Congo Belge, Léopoldville, Congo Belge.
Leading Personalities: Director: Mr. J. van Overloop, on behalf of the Belgian National Broadcasting Service.

Stations: *Radio Congo Belge.*

OTM1	6295 kc/s	47.65 m	3 kW
OTM2	9380 kc/s	31.98 m	7,5 kW
OTM4	11720 kc/s	25.60 m	7,5 kW

Daily Programmes from 05.00-07.00, 10.15-12.00, 16.00-20.00
OTM1 from 05.00-07.00, 10.00-12.00 and 16.00-20.00
OTM2 from 05.00-07.00 and 16.00-20.00
OTM4 from 10.15-12.00

05.00 News, French	11.45 Music
05.10 News, Flemish	16.00 Headlines
05.20 Music	16.05 Music
06.00 News, French	16.45 News, Portuguese
06.10 News, Flemish	17.00 Music
06.20 Music	18.00 News, Flemish
10.15 Music	18.15 Music
10.30 News, French	18.45 News, French
10.37 News, Flemish	19.00 Music
10.45 Music	19.55 Headlines, French and Flemish
11.30 News, French	
11.37 News, Flemish	

Announcements: In *French* "Ici Radio Congo Belge". In *Flemish* "Hier Radio Belgisch-Kongo".

Interval-Signal: Native drums and xylophone.

Message to Listernes: Reception reports will be gratefully acknowledge and answered by QSL-card.

CANARY ISLANDS

Normal Cloc Time — G. M. T. minus 1 hour.
Summer Time G. M. T.

Address: Radio Club Tenerife, Calle Alvarez de Lugo 43, Apartado de Correos 225, Santa Cruz de Tenerife, Islas Canarias.

Leading Personalities: President: Mr. Juan Garcia Sanjuan. Vicepresident: Mr. Juan Alvarez Delgado. Secretary: Mr. Enrique Diaz Expósito. Vice-Secretary: Mr. Pedro Suarez Hernández. Administrator: Mr. Juan Labory, Gonzalez. Director of Programmes: Mr. Manuel Romos Vela.

Stations: Santa Cruz de Tenerife, 0,5 kW.
EAEAJ.43/EA8AB 7267 kc/s 41.28 m

Daily Programmes in *Spanish* from 22.00-23.00.

22.03 Spanish Music 22.45 Information.
Every *Monday* at 22.00 a very popular programme: "Rumbo a la fama".

Announcement: "Estacione EA8AB Radio Club de Tenerife." At opening 22.00: is played a local Melody: "Islas Canarias." Close down: National anthem.

Message to Listeners: "Reports are welcomed and will be answered by QSL card. Return postage should be enclosed. —

CAP VERDE ISLANDS

Normal Clock Time — G. M. T. minus 2 hours.
No Summer Time.

Address: Radio Clube de Cabo Verde, Service de Fazenda, Praia, Cap Verde Islands.

Praia CR4AA 6405 kc/s 46.88 m 1 kW

Daily Programmes in *Portuguese* from 21.30-22.30.

Message to Listeners: "Reports answered by letter."

EGYPT

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Egyptian State Broadcasting, Broadcasting House, Cairo.

Stations:

Cairo I	620 kc/s	483.9 m	20 kW	
Cairo II	1349 kc/s	222.6 m	10 kW	
Alexandria	1122 kc/s	267.4 m	0,5 kW	
Assiut	731 kc/s	410.0 m	0,5 kW	Arabic only
Cairo SUX	7867 kc/s	38.13 m	10 kW	Arabic only
	10055 kc/s	29.83 m	10 kW	Frid. only

Daily Programmes in English and French:
On 483.9 m, 222.6 m, 267.4 m
Weekdays from 10.30-12.00, 16.30-21.00
Sundays from 08.00-12.00, 16.00-21.00

Daily Programmes in Arabic.
On 410.4 m from 04.45-06.25, 10.25-10.40, 12.00-13.10 and 15.00-21.05 (Sat. and Sun. 22.05).
Fridays from 06.30-13.10 and 15.00-21.00.

On 38.13 m from 18.30-21.00.
On 29.83 m for prayers from 09.25-10.50, 13.25-15.00 and 17.10-17.20.

Announcement: "This is Cairo calling" in English, French, Greek and Arabic.

Interval-signal: Camel bells.

ETHIOPIA

Normal Clock Time — G. M. T. plus 3 hours.

Address: Radio Addis Ababa Press and Propaganda Dept. Ministry of Pen Addis Ababa. — Studios: 83 Patriots Road.

Leading Personalities: Chief Engineer: Mr. W. H. Erholm.

Stations:
Addis Ababa 9620 kc/s 31.19 m 1 kW

Daily Programmes:
In Amharic:
11.00-12.00 News and Music (Mon., Tues. and Thurs.)
11.00-11.30 News and Music (Wedn., Fri. and Sat.)
08.00-10.30 News and Music (Sundays)

In Arabic:
14.45-15.00 Oriental Music
15.00-15.15 World News, Talk or Music

In English:
Weekdays: 15.45-16.30: Music, Talk or Reading; exc. from 16.00-16.15: BBC News.
Sundays: 15.45-16.00: Hymns You Love.
16.00-16.30: Gospel Half Hour presented by the Missionary Community in Addis Ababa.

FRENCH CAMEROON

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Radio Douala, Service Radio Electrique Douala. Cameroon Francais.

Stations:
Radio Douala FIA6 7950 kc/s 37.74 m 0,6 m

Daily Programmes from 18.00-20.00 (21.00 Sundays).

18.00 Music	19.00 Variety
18.30 Information	19.15 Music
18.50 Music	20.00-21.00 Dance Music (only Sundays)

The 1, 2, 15 and 16th in every month at 20.00-21.00: Answer of letters from listeners.

FRENCH EQUATORIAL AFRICA

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Radio Brazzaville, Poste National Français, Brazzaville.

Leading Personalities: Acting Director: Mr. A. Bazire. Director of Foreign Transmissions: Mr. Louis C. D. Joos. Chief Engineer: Mr. H. Defroyenne. Administrator: Mr. C. Frindel.

Stations: Brazzaville, FZI.

21000 kc/s	14.29 m	0,8 kW	from 10.00-12.45 and 16.00-01.20
17840 kc/s	16.82 m	7 kW	from 05.00-07.30,
15595 kc/s	19.23 m	50 kW	from 05.00-07.30 and 16.00-01.20
11970 kc/s	25.06 m	50 kW	from 05.00-07.30, 16.00-01.20
9964 kc/s	30.72 m	1,5 kW	from 05.00-07.30, 10.00-12.45
9440 kc/s	31.78 m	7 kW	from 05.00-07.30
6024 kc/s	49.80 m	1,5 kW	from 16.00-01.20
7000 kc/s	42.86 m	0,8 kW	from 05.00-07.30

Daily Programmes from 05.00-07.30, 10.00-12.45 and 16.00-01.20.

(E. means to Europe, N. E. to Near East, Ea. to East, A. to America.)

05.00 News, French. E.	18.25 Music.
05.30 News, English. A.	18.45 News, English. E.
05.45 Music.	18.45 News, Portuguese. E.
06.00 News, French. E.	19.00 News, French E.
06.25 Music.	19.10 Music.
07.00 News, French. E.	20.00 News, French. E.
09.00 Music. (Sun.).	20.25 Music.
10.00 Music.	20.30 News, Swedish.E.*)
10.15 News, French. N. E.	20.45 News, English. E.
10.30 Music.	21.00 News, French. E.
11.00 News, French Ea.	21.20 Music.
11.25 Music.	22.05 News, French. A.
12.00 News, French. Ea.	22.15 News, English. A.
12.15 News, English. Ea.	22.30 Music.
12.30 "Programme recreatif".	23.00 News, French. A.
	23.30 News, Portuguese. A.
15.00 Music. (Sun.).	23.45 News, Spanish. A.
16.00 Music.	00.00 News, English. A.
17.25 Variety.	00.15 News, French. A.
18.00 News, French. E.	00.35 Music.

*) the third Wednesday in every month.

Highlights of Programmes:
"La France d'Outre Mer": 18.30 and 21.30 every Tuesday and Friday.
"Chansons francaise": 18.25 and 22.30 every Sunday and Wednesday.
Play and Theatre: 19.10 and 00.35 (first and third Mondays). 15.00 (second and fourth Sundays).
Transmissions from Paris: 11.30, 17.30 and 22.30 every Thursday.
"Mailbag Programme": 12.30 every Tuesday. Answers to letters from listeners written in English from all parts of the world.
Other programmes consists of light and classical music.

Announcement: In *French:* "Radio Brazzaville, Poste National Francais." In *English:* "Radio Brazzaville, the French National Broadcasting Station in Africa." As a special identification, the station uses between the various programmes the "Marche Lorraine", General de Gaulle's favourite march.

Interval-Signal: When the station switches over from one direction to another is used a call signal of five different notes, played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.

Message to Listeners: Reports answered by QSL card. We draw the attention of the listeners to the "English edited broadcasts on Mondays after the newsbulletin read at 18.45 and 00.00 G. M. T. and on Tuesdays after the newsbulletin read at 12.15 a so called "Maibag Programme", answering listeners' letters written in English from all parts of the world".

GOLD COAST COLONY

Normal Clock Time — G. M. T.
No Summer Time.

Address: Broadcasting Department, Accra, Gold Coast Colony.

Leading Personalities: Acting Superintendent of Broadcasting: Mr. J. W. Forster. Acting Programme Officer: Mr. T. A. Huxtable and Mr. L. Pearce. Broadcast and Maintenance Officers: Mr. H. W. Akester, Mr. F. R. Fuller, Mr. J. R. Ord-Jolly, Mr. E. E. Frewin and Mr. D. H. Michel.

Stations: Accra 1,3 kW.
ZOY 4915 kc/s 61.04 m and 7295 kc/s 41.11 m

Daily Programmes from 15.30-18.00
15.55 Ashanti Drums followed by Announcement.
16.00 News and Music in the various languages of the Gold Coast, Ashanti and Northern Territories i. e. Ewe, Twi, Fanti and Ga. —
17.45 Gold Coast News in English

Highlights of Programmes: Spelling Bee, Plays, Songs and Chorus by children and adults of the Gold Coast generally, Speeches and Talks by prominent people of all classes.

Announcement: "This is ZOY Accra in the Gold Coast Broadcasting on 41.1 and 61.04 Metres.

Message to Listeners: " Every Saturday evening regarding alterations to programme".

GUINEA (Portuguese)

Normal Clock — G. M. T. plus 1 hour.

Address: Radio Bissau Portuguese, Guinea.

Stations:
CQM 7948 kc/s 37.75 m 1 kW

Daily Programmes in *Portuguese* from 21.30-23.00.

Announcement: "Aqui Bissau".

Interval Signal: Guitar Music.

KENYA

Normal Clock Time — G. M. T. plus 3 hours.
No Summer Time.

Address: Cable and Wireless Ltd., Electra House Kabete, P. O. Box 777, Nairobi.

Leading Personalities: Manager: Mr. E. G. Garneys. Director of Programmes: Mr. G. C. Kenworthy. Deputy Director of Programme: Mr. R. Coltart. —

Stations: Nairobi, VQ7LO, 1,5 kW.
4885 kc/s 61.41 m English
6060 kc/s 49.50 m Indian and Vernaculars

Daily Programmes in English:
Weekdays from 10.00-11.00, 15.00-19.00 (20.00 Wedn. and Sat.)

Announcement in *English:* "This is Nairobi Broadcasting Station of Cable & Wireless Ltd. calling on wave lengths of 350 and 61.41 m. —

Message to Listeners: Reports answered by letter. Return postage should be enclosed. —

MADAGASCAR

Normal Clock Time — G. M. T. plus 3 hours.

Address: Radio Tananarive. The Office of the French High Commissioner. Tananarive, Madagascar.

Leading Personalities: Director: Mr. R. Bergeaud.

Stations: Radio Tananarive.

FIQA	6063 kc/s	49.48 m	5 kW
	9693 kc/s	30.95 m	0,35 kW
	10615 kc/	28.26 m	0,25 kW

Daily Programmes in *French:*
Mondays to *Thursdays* from 03.55-05.30, 08.20-10.45 and 14.20-18.45.
Fridays from 03.55-05.30, 07.30-10.45 and 14.20-18.45.
Saturdays from 03.55-05.30, 08.20-11.00 and 14.00-18.45.
Sundays from 04.45-08.00, 08.30-11.00 and 13.30-19.00.
Highlights of Programmes:
Symphony Concert: Mondays at 16.30 — Wednesdays at 10.00 — Sundays at 14.30.
Play: Tuesdays at 16.00.
Variety: Thursdays at 16.00 — Saturdays at 16.00.
Letters from Listeners: Fortnightly Wednesdays at 17.45. —

Announcement: "Ici Radio Tananarive" in French, Malgache and Comorien.

Interval-Signal: Musical notes played on the Malgache guitar.

MOROCCO (French)

Normal Clock Time — G. M. T. No Summer Time.

Address: Radio Maroc, Immeuble des P. T. T., Rabat.

Leading Personalities: Director General: Mr. M. Ch. Massa. Chief of News Dept.: Mr. Paul Peyre. Director for French Programmes: Mr. Robert Barras. Director for Arabic Programmes: Mr. F. Goussé. Chief Engineer: Mr. Francois Goure. Chief of Administration: Mr. Grolleau. General Secretary of Administration: Mr. Lestage.

Stations:

Network A.			
Rabat 1	601 kc/s	499.2 m	20 kW
Casablanca CNR3	9082 kc/s	33.03 m	2,5 kW
Network B.			
Rabat 2	868 kc/s	345.2 m	1 kW
Casablanca CNR3	1004 kc/s	298.8 m	1 kW
Casablanca CNR3	9082 kc/s	33.03 m	2,5 kW
Rabat CNR3	16666 kc/s	18.01 m	2,5 kW

DAILY PROGRAMMES in *French:*
Weekdays:
Network A from 06.45-08.30, 12.00-13.45, 18.00-21.00 (20.00 Thursd.)

07.00 News — 13.45 Information
12.30 Journal parlé — 20.30 Journal parlé
13.32 Lesson in Arabic

Network B from 12.51-14.30 and 21.00-23.30.
12.51 Music — 21.00 Music
13.30 Press Review — 22.30 Information
13.45 Music — 22.35 Music

Sundays:
Network A from 06.55-13.40 and 18.00-21.00.
Network B from 12.51-14.30, 21.00-23.30.

DAILY PROGRAMMES in *Arabic.*
Weekdays:
Network B from 07.00-08.45 (09.00 Fri.), 12.15-12.50 and
Network A from 13.45-15.00 and 21.00-23.30.
Sundays:
Network B from 07.00-08.45, 12.15-12.50 and 19.30-21.00.
Network B from 08.30-08.45, 13.45-15.00 and 21.00-23.30.

DAILY PROGRAMMES in *Spanish:*
Network A from 12.00-12.12 (News) and 18.00-18.30.

Highlights of Programmes in French:
Theatre: Tuesdays 19.30, Fridays c. 21.00 (Network B).
Cabaret: Saturdays 19.30 (Network A).
Concert: Mondays 19.10, Tuesdays 12.50, Wednesdays 18.30, Fridays 12.50, Saturdays 13.45 (Network A).

Announcement: "Ici Radio Maroc."

Message to Listeners: Reports answered by QSL-card.

MOROCCO (Spanish)

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

RADIO TETUAN

Address: Radio Tetuan, Calle O'Donell 11, Tetuan.

Owned by F. E. T. (Falange Espanola Tradicionalista).

Stations: Radio Tetuan EA9AH
7240 kc/s 41.44 m 0,1 kW

Daily Programmes in *Spanish* from 11.30-13.30 and 17.00-19.00.

Announcement: "La Voz de Espana en Africa."

MAURITIUS

Normal Clock Time — G. M. T. plus 4 hours.
No Summer Time.

Address: Mauritius Broadcasting Service, Forest Side, Mauritius.

Leading Personalities: Officer i/c Broadcasting Service, Mr. R. H. Ardill, P.R.O., Manager M.B.S., Mr. C. de Chazal; Senior Programme Assistants, Messrs. Claude Tyack and Max Moutia; Senior Technical Assistant, Mr. N. Rambert.

Stations: Forest Side.
V3USE 7143 kc/s 42 m 0,05 kW

Daily Programmes: *Weekdays* from 03.00-04.15, 08.15-09.30, 13.00-14.00 and 15.00-17.30. *Sundays* from 06.15-07.45, 13.00-14.00 and 15.00-17.30.
News: In English at 03.00. - In French at 03.30, 08.45, 15.00 and 17.28. - In Hindustani at 13.00.

Announcement: In *French:* "Ici le Poste de l'Ile Maurice". In *English:* "This is the Mauritius Broadcasting Service".

Station Signature Tune: The march "The Thin Red Line".

MOZAMBIQUE

(Portuguese. East-Africa)

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

RADIO CLUBE DE MOZAMBIQUE

Address: Radio Clube de Mozambique, P. O. Box 594, Lourenco Marques, Colonia de Mozambique.

Leading Personalities: President: Cap. Antonio dos Santos Figueiredo. Vice-President: Arthur Meirim. Treasurer: Henrique Rodrigues. Manager: Augusto Gonçalves.

Stations: *Lourenco Marques.*

CR7BE	9715 kc/s	30.88 m	7,5 kW
CR7BJ	9653 kc/s	31.08 m	10 kW
CR7BU	4925 kc/s	60.91 m	7.5 kW
CR7BV	4855 kc/s	61.75 m	7,5 kW
CR7AB	3490 kc/s	85.96 m	0,6 kW

Daily Programmes in Portuguese: For the Colonies of Mozambique, Angola and Portugal.
On *Weekdays* from 05.00-06.00, 09.30-11.30, and 16.00-20.30 on 31.08 m and from 16.00-23.00 on 85.96 m

On *Sundays:* from 09.00-12.00 on 31.08 m and from 16.00-20.00 on 85.96 m.

05.15 News.	18.05 Light Music
10.15 Music	18.25 News
10.30 News	19.15 Music
17.00 News	19.45 News

Daily Programmes in English and Afrikaans:
For the Union of South Africa, Rhodesia, Nyassaland and Belgian Congo. *Weekdays* from 12.00-15.00 on 30.86 m, 16.00-21.00 on 60.91 and 85.96 m and *Sundays* from 09.00-15.00 on 30.86 m and from 15.00-21.00 on 60.91 and 85.96 m.

The *English* Programmes consist entirely of music alternating with advertisements. 16.00 Requests, 18.00 Variety, 19.30 Music from America, 19.45 Rhythm from the Mountains on the South Seas. — 20.30 Evening Star, 21.00 Dance Music.

Announcement: *Hourly identification:* "Marigold" followed by Portuguese Announcement and four chimes: "do-mi-do-sol" and in *English:* "This is Radio Mozambique, Lourenzo Marquese for happy listening on the .... metre bands." Half hourly and quarter hourly: Chimes and "This is Radio Mozambique". .....*Opening announcement* at 16.00: An African melody exclusive to this station "Danca negra".

Interval-Signal: "Sarie Marais" played on piano.

Message to Listeners: "Reports will be very much appreciated and answered by QSL-card."

REUNION (French Colony)

Normal Clock Time — G. M. T. plus 4 hours.
No Summer Time.

Address: Radio St. Denis, St. Denis.

Stations: Radio St. Denis

7170 kc/s	41.84 m	0,2 kW
4797 kc/s	62.54 m	0,2 kW

Daily Programmes in *French* from 03.00-03.30 and 13.45-14.30.

NORTH RHODESIA

Normal Clock Time — G. M. T. plus 2 hours.
No summer Time.

Address: Northern Rhodesia Broadcasting Station, Broadcasting House, Lusaka.

Leading Personalities: Programming and Production: Mr. Spencer Swaffer. Engineering and Transmitting: Mr. John W. Murray.

Stations: Lusaka ZQP

3914 kc/s	76.60 m	5 kW
7220 kc/s	41.55 m	0,5 kW
9705 kc/s	30.91 m	2,5 kW

Daily Programmes:

Weekdays: 15.00-17.00
Programmes in English, Chibemba, Chinyanja, Chitonga, Silozi, respectively (Monday to Friday).

Saturdays for Europeans and English speaking Africans.
Sundays: 09.00-10.30, 15.30-16.30
09.00: European programme. 15.30: Religious Service for Africans.

Announcement: "This is the Northern Rhodesia Broadcasting Station in Lusaka".

Interval-Signal: Beating on African Drums.

Message to Listeners: Reports are answered by QSL-card.

SOUTHERN RHODESIA

Normal Clock Time — G. M. T. plus 2 hours.
No summer Time.

Address: Broadcasting House, Manica Road, Salisbury.

Stations:

Salisbury	3658 kc/s	82.01 m	1 kW
Umtali (Day)	6120 kc/s	49.02 m	1.5 kW
Gwelo (Night)	3320 kc/s	90.36 m	1.5 kW
Bulawayo	3800 kc/s	78.95 m	1 kW

Daily Programmes i *English* on all frequencies:
Weekdays from 09.30-11.15 and 16.00-20.00
Sundays from 08.30-11.15 and 18.00-20.00

09.30 Daily Service	17.45 Progr. Preview
09.40 News English	18.00 News from BBC
09.45 For Hospitals	18.15 Rhodesian and South African News in English
10.45 Sport, Music	
11.00 News from BBC	
16.00 News from BBC	19.00 Music
16.15 Music	19.30 Dance Music

Highlights of Programmes:
Symphony Concert: Sunday morning
Concert-Hall: 16.30 Wednesdays.

Announcement in *English:* "This is Southern Rhodesia".

Interval-Signal: Recorded peals of church bells.

SENEGAL (Africa Occ. French)

Normal Clock Time — G. M. T. No Summer Time.

Address: Radio-Dakar, Service Radioelectrique "Direction des Transmissions" Dakar.

Stations:

FZK6	6917 kc/s	43.37 m	0,5 kW
FZK6	7210 kc/s	41.61 m	0,5 kW
FHE3	11715 kc/s	25.61 m	12 kW
FHE2	15392 kc/s	19.49 m	12 kW

Daily Programmes in *French:*
On 43.37 m from 07.00-07.15, 12.15-13.00 and 19.00-21.30
On 25.61 m from 07.00-07.15 and 12.15-13.00
On 19.55 m from 19.00-21.30.

07.00 News	19.58 Progr. Preview next day
12.15 Music	
12.30 News	20.15 Chronicle about Africa Occ. French
12.50 Music	
12.58 Programme Preview	20.20 Music
19.00 Music	21.15 News Summary
19.30 Information in French	21.20 Dance Music
19.50 Music	

Announcement: Opening at 07.15, 12.15 and 19.00 with a continuous three note signal on a flute-like instrument for 15 minutes. Thereafter at 07.15 is played. "Hymne de l'infanterie de Marine" and the following announcement in French: "Ici Radio Dakar, emettant sur 25.61 et 43.37 (or 19.49 et 43.37) de longueur d'onde.

SOMALILAND (British)

Normal Clock Time — G. M. T. plus 3 hours.
No Summer Time.

Address: Information and Broadcasting Department, Government Headquarters, Hargeisa.

Leading Personalities: Director of Public Relations: Mr. E. J. Seaward.

Station: Radio Somali Hargeisa.
VQ6MI 7120 kc/s 42.13 m 1 kW

Daily Programmes in *English* and *Somali* from12.30-15.00. Sundays no broadcast

Announcement: "This is Radio Somali".

Interval-signal: Play records.

Message to Listeners: Reports answered by letter.

SUDAN (Anglo-Egyptian)

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Sudan Broadcasting Service, Public Relations Office. P. O. Box 282, Khartoum.

Leading Personalities: Broadcasting Officer: H. H. Finch-Dawson. Assistant Broadcasting Officer: Mitwalli Eff. Mohed. Eid.

Stations: *Radio Omdurman.*

9650 kc/s	30.09 m	0,45 kW
13320 kc/s	22.52 m	0,25 kW
572,5 kc/s	524 m	0,75 kW

Daily Programmes on all frequencies:
In English: Fridays from 17.30-18.00.
In Arabic: Daily from 04.15-04.45, 16.30-18.00, 19.00-19.30 except Fridays. *Fridays* from 04.14-04.45, 08.00-09.30, 14.00-15.00, 16.30-17.30, 19.00-19.30.

Announcement: *Arabic:* "Huna Omdurman". *English:* "This is Omdurman calling".

Message to Listeners: "Reception reports from listeners will be much appreciated and answered" by letter. Postage need not be enclosed.

TANGIER

Normal Clock Time — G. M. T.
No Summer Time.

RADIO INTERNATIONAL
Address: Radio International Sociedad Africana de Radiodifusion S. A., 54 Goya Street, Tangier.

Leading Personalities: President: Mr. Antonio Gariques Canabête. Vice-President: Mr. Virgilio Oñate Sanchez. Secretary: Mr. Lucien Bensimhon. General Manager: Mr. Herbert Rutledge Southworth. Administrator: Mr. Aladino Cuetos Martinez. Chief Engineer: Mr. Jesus Martin Córdova.

Stations: Radio International.

1238 kc/s	242 m	10 kW
6200 kc/s	48.40 m	1 kW

Daily Programmes in four languages French, Spanish, Arabic and English from 13.00-16.00 and 20.00-01.00.

13.30 Arabic Music
15.00-16.00 Requested Music (French and Spanish)
20.00-21.00 Arabic Music
00.15 Programme from "Lido Kuraal". — Other programmes consist mainly of light and classical music.

Interval-Signal: Moroccan Music.

Message to Listeners: Reports answered by QSL-card.
SOCIEDAD AFRICANA PUBLICITARIA Y COMERCIAL S. A.
Address: 39, Calle Shakespeare, Tangier.
Leading Personalities: General Manager: Sr. D. Georges Dahlqvist. Director of Programmes: Sr. D. Herminio Blanco. Technical Director: Sr. D. Sebastian Más.

Stations: Radio Africa.

7080 kc/s	42.37 m	1 kW
14280 kc/s	21.01 m	

Daily Programmes in Spanish, French and Arabian from 13.00-16.00 and 19.00-22.00.
Every Friday at 20.05 Arabian Music.
Daily at 13.00 and 21.05: Request Concert.
Programmes consist mainly of music.

Interval-Signal: Gong.

Message to Listeners: Reports answered by letter.

TUNIS

Normal Clock Time — G. M. T. plus 1 hour.
No Summer Time.

Address: Radio-Tunis, 2 Rue D'Alger, Tunis.

Stations:

Tunis I	868 kc/s	345.6 m	20 and 120 kW
Tunis II	823 kc/s	364.2 m	1 kW

Daily Programmes in French and Arabic:
From 06.00-08.00, 11.00-13.30 and 17.00-21.30.
News in French at 06.00, 11.30, 12.40, 17.30, 19.00.

UNION OF SOUTH AFRICA

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: South African Broadcasting Corporation, P. O. Box 4559, Johannesburg.

Leading Personalities: Chairman of the Board of Governors: Prof. L. Fouche. Director-General: Mr. R. S. Caprara. Secretary: Mr. G. D. Roos. Controller of Programmes: Miss G. Dickson. Chief Engineer: Mr. W. Hilarius. Programme Directors: Mr. W. P. van der Berg and Mr. H. E. Dawes.

STATIONS: "A" Programme: English. — "B" Programme: Afrikaans.

Transvaal Division:
Johannesburg III, 5 kW. Programme "B"
3450 kc/s 86.97 m inactive
4895 kc/s 61.28 m Daily: 15.50-21.05
6007 kc/s 49.95 m Weekdays: 04.45-06.30, Sun.: 05.55-06.10
9523 kc/s 31.51 m Weekdays: 08.15-12.10, 14.00-15.40
Sundays: 08.15-15.40
11710 kc/s 25.62 m inactive
Johannesburg IV, 1 kW. Programme "A"
4800 kc/s 62.5 m Weekdays: 04.45-06.30 and 16.20-21.05
9870 kc/s 30.40 m Weekdays: 08.15-12.10, 14.00-16.10
Sundays: 08.15-15.50
Johannesburg V, 0.2 kW. Programme "A"
4373 kc/s 68.60 m. All sessions.

Cape Division:
Cape Town III, 5 kW. Programme "B"
5880 kc/s 51.0 m *Weekdays:* 08.15-12.10. *Sundays:* 05.55-06.10. *Daily:* 17.00-21.05.
9610 kc/s 31.20 m *Weekdays:* 08.15-12.10, 14.00-16.45
Sundays: 08.15-16.45

Natal Division:
Pietermaritzburg II, 0.2 kW. Programme "B"
4878 kc/s 61.50 m All sessions.

Bechuanaland:
Mafeking, 0.2 kW 5900 kc/s 50.85 m

Usual Session Times:
Weekdays: 04.45-06.30, 08.15-12.10 and 14.00-21.05
Sundays: 05.55-06.15, 09.00-21.05 (A) and 08.00 or 08.30-21.05 (B)

Announcement: Various opening announcements are given in both English and Afrikaans. These announcements invariably include the names of the transmitting stations in the chain. Before each news service and any special announcements the initial letters of the chain or groups are given in morse. These are J for Johannesburg, C/K for Cape Town/Kaapstad and D for Durban. Cape Town III transmission comes on at 04.40, has bugle-call at 04.45 followed by English sign on, then goes into Afrikaans with 15 minutes of setting-up exercises characterised by piano accompaniment; clock strikes 7 at 05.00.

NEAR EAST

IRAN

Normal Clock Time — G. M. T. plus 3½ hours.
No Summer Time.

Address: Director General Wireless Dept.: Ministere des Postes, Telegraphes et Telephones, Teheran.

Leading Personalities: Head of Wireless Dept.: Engineer H. Samiy.

Stations: *Radio Teheran.*

EQA	895 kc/s	354 m	7 kW
EQD	4830 kc/s	62.11 m	1 kW
EQB	6150 kc/s	48.78 m	7 kW
EQC	9680 kc/s	30.99 m	7 kW
EPB	15100 kc/s	19.87 m	14 kW

Daily Programmes Radio Teheran from 02.00-03.30 (winter 02.45-05.00), 08.45-12.30 and 15.00-20.00 (winter 14.00-19.00).

02.00-03.30 on 354 m, 48.78 m and 62.11 m in Persian language. Programs consist of: National Anthem, Announcements, Daily Service, Exercise, News, Press Review and from 03.45-04.00 Records.
08.45-12.30 on 354 m and 30.99 m.
10.15-12.30 also on 19.87 m.

08.50 Workers Programme	11.15 Press Review
09.30 Eastern Music	11.30 News in Arabic
09.45 Talks	11.40 News in Turkish
10.00 Western Music	11.50 News in French
10.15 Soloists	12.00 News in Russian
10.30 Classical Music	12.15 News in English
11.00 News in Persian	

15.00-20.00 on 354 m, 62.11 m and 48.78 m.
General programmes is: 15.00 Announcements, 15.30 Music, Recitation, 16.15 Western Music, 16.30 News, 16.45 French or English, 17.00 Army's Half Hour, 17.30 Special Programmes, 18.00 Persian Music, 18.30 News in Persian or Talk, 19.00 Dance Music.

On Days of religious mourning no music. (Every Friday from 04.30-Programme for Moslems).

Message to Listeners: "We appreciate individual reports, which will be verified immediately."

IRAQ

Normal Clock Time — G. M. T. plus 3 hours.
No Summer Time.

Address: Iraq Government Broadcasting Station Radio Baghdad, Iraq.

Address: Radio Baghdad, Iraq.

Leading Personalities: Honorary President: Mr. Abdul Jabbar Al Amin. Director of Radio Baghdad: Mr. A. R. Lutfi. Chief-Engineer: Mr. A. T. Dunk.

Stations: Radio Baghdad HNA.

767 kc/s	391.1 m	0,5 kW (Projected to 20 kW)
7092 kc/s	42.30 m	1 kW (Projected to 15 kW)
7062 kc/s	42.48 m	0,5 kW (Projected to 2 kW)
6135 kc/s	48.90 m	1 kW (Projected to 15 kW)

Arabic language on 391.1 m, 42.30 and 48.90 m
Kurdish language on 42.48 m only.

Daily Programmes:
Daily exc. Fridays: from 03.00-05.30, 14.00-19.10
Fridays from 05.00-09.30, 14.00-19.10
News at 04.00 (Frid. 06.00), 15.00, 17.00, 19.00
Western Music from 17.30 (Sat. 17.15)-19.00

LEBANON

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Service de Radiodiffusion de la Republique Libanaise, Beyrouth.

Leading Personalities: Director of Broadcasting: Mr. Halim Lahoud. General Manager: Mr. Nagib Lian; Chief Engineer: Mr. Joseph Rouhayem.

Stations: Beyrouth.

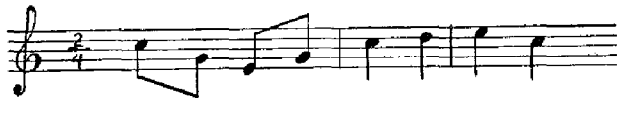
Beyrouth	730 kc/s	411 m	4 kW
Beyrouth	8036 kc/s	37 m 34	2,5 kW

Beyrouth shortwave-station (100 kW) is under construction.

DAILY PROGRAMMES on all frequencies:
Weekdays: 04.45-06.15, 10.15-13.00, 15.30-21.00
Sundays: 06.00-07.00, 09.30-12.30, 14.00-21.00
News in Arabic: 05.00 (exc. Sundays), 06.00, 11.00, 17.00, 18.00, 20.30.
News in English at 13.30.
News in French at 21.00.

Announcement: After five minutes of the Station's "Special Signal", the Lebanese National Anthem is played. The announcer opens the broadcasts with: "Hona Beyrouth. Mahatat al Izaa al Lubnaniat".
In *French:* Ici Beyrouth. Station de Radio-diffusion de la Republique Libanaise.
In *English:* This is the English Programme of the Lebanese Broadcasting Station in Beirut.

Interval-Signal:



PALESTINE

Normal Clock Time — G. M. T. plus 2 hour.
No Summer Time in use.

MIDDLE EAST FORCES RADIO

Address: Forces Broadcasting Service, South Palestine.

Leading Personalities Major Leslie Knight, Chief Broadcasting Officer: Mr. Tom Moffett Sports Commentator.
Stations:

6070 kc/s	49.45 m	0.3 kW
780 kc/s	380 m	0.3 kW

Daily Programmes:
Weekdays: 04.30-06.30 and 08.00-21.00.
Sundays: 04.30-21.00.

Announcement: "This is your Forces Broadcasting Service Jerusalem."

Interval-Signal: Marigold (Columbia FB 1161).

Message to Listeners: Reports will be verified with QSL cards.

NEAR AND MIDDLE EAST
The Near East Arabic Broadcasting St.
This station will after the termination of the Mandate probably be removed to Cyprus, where it will continue to broadcast.

PALESTINE BROADCASTING SERVICE
This station will cease on the termination of the Mandate. Its future cannot be forecast and depends on who will be able to grab the transmitters first — the Jews or Arabs. — The transmitter sit is located in Ramallah, about 10 km outside Jerusalem — a purely Arab Area. At the moment both Jews and Arabs have their own underground station transmitting on the shortwave band.

SYRIA

Normal Clock Time — G. M. T. plus 2 hours.
No Summer Time.

Address: Posts, Telegraphs and Telephones Department, Damascus.

Stations:

Damascus	592 kc/s	506 m	2 kW
Damascus	6000 kc/s	50 m	0,5 kW
Damascus	7500 kc/s	40 m	0,5 kW
Damascus	12000 kc/s	25 m	0,5 kW
Aleppo	769 kc/s	390 m	2 kW

The medium wave transmitters are being replaced by 20 kW and 50 kW ones. The short wave ones will be replaced by 25 kW and 75 kW ones.

Daily Programmes in *Arabic:*
From 05.00-06.00, 12.00-13.00 and 16.00-20.00.

Announcement: "Hona Damas".

Message to Listeners: Reports are answered by QSL-cards.

TURKEY

Normal Clock Time — G. M. T. plus 2 hours.
Summer Time (until Oct. 2 incl.) — G.M.T. plus 3 hours.

Address: Turkish Press Department, Radio Branch, Ankara.

Leading Personalities: Director General of the Turkish Press Publicity and Broadcasting: Mr. Nedim Veysel Ilkin. Director of Radio Branch: Mr. Cevat Menduh Altar. Director of Technical Branch: Mr. Ibrahim Sükrü Esgün. Director for Ankara Radio: Mr. Nejad Saner.

HOME PROGRAMMES
Stations: *Radio Ankara.*

TAR	182 kc/s	1648 m	120 kW
TAP	9465 kc/s	31.70 m	20 kW
TAQ	15195 kc/s	19.74 m	20 kW

Daily Programmes in *Turkish* from TAR:
Weekdays from 04.28-06.00, 09.28-11.00, 14.58-20.00.
Sundays from 05.28-11.00, 14.58-20.00.

04.28-06.00: Music, News. — 09.28-11.00: Music, News. 15.00-20.00: News, Talks, Theatre, Music.

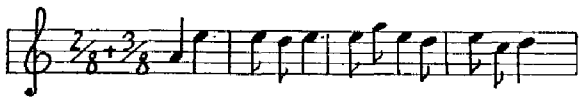
OVERSEAS SERVICE
Daily Programmes:
TAQ: *Weekdays* from 09.28-11.00.
On *Sundays* from 08.45-11.30.
09.30: Relay TAR. 10.15: Turkish News. 10.30: Relay TAR.

TAP: Daily from 15.00-20.00.

15.00	News, Urdu	18.15	News, Bulgarian
15.15	News, Persian	18.30	News, German
15.30	News, Arabic	18.45	News, Hungarian
16.00	News, Turkish	19.00-20.00	News in Turkish and National Progr.
16.15	Radio Gazette in Turkish	20.30	Postbag in English (Sund.)
16.45	News, English	20.30	Programme in English (Tuesd. and Thursd.)
17.00	News, French	20.45	News, Turkish
17.15	Journal Parlé	22.00	Programme for USA (Fortnightly on Tuesd.)
17.30	News, Greek		
17.45	News, Rumanian		
18.00	News, Serbo, Croat.		

Announcement: TAR in Turkish: "Buras Turkiye radyosu". *Shortwave* in Turkish: "Buras Ankara radyosu". In English: "This is Ankara".

Interval-Signal:



Message to Listeners: Reports are verified by QSL-card.

EAST

BURMA

Normal Clock Time — G. M. T. plus 6½ hours.
No Summer Time.

Address: Burma Broadcasting Service, Rangoon.

Leading Personalities: Director U. Khin Zaw.

Stations: *Rangoon,* 7,5 kW.
9540 kc/s 31.44 m (except Monday) 6035 kc/s 49.71 m

Daily Programmes in *English:*
On 31.44 m from 01.15-01.30 and 06.15-06.45 (exc. Mond.)
On 49.71 m from 14.15-15.15
News at 01.25, 06.30 and 15.00. *Music* at 01.15, 06.15 14.15. — *Programme Preview* for next day 15.13.

Highlights of Programmes:
Classical Music: Sundays 14.15
The Church Speaks: Sundays 14.50
The Voice of Burma: Thursdays 14,45
Listeners' Request Music: Wedn. and Fri. 14.30
Local Artists: Mon. and Sat. 14.30

Daily Programmes in *Burmese:*
On 31.44 m from 01.00-01.15, 01.30-02.30, 05.30-06.15 and 06.45-07.30
On 49.71 m from 12.00-14.15

Announcement: "This is the Burma Broadcasting Service, Rangoon".

Interval-Signal: *English programmes:* Signature tune: Eric Coates': "Calling All Workers". Interim tune between programme and news: Rossini's Ouvt. to "The Thieving Magpie". After the news: "Shepherd's Dance" from Beethoven's "Pastoral Symphony". Close down at 15.15 with Burmese National Anthem.
Burmese Programmes: Signature tune: Burmese oboe, gongs and drums.

EAST
PEIPING
TAI-PEI
TOKIO
NANKING
SHANGHAI
KWEICHOW
DELHI
CHUNGKING
HONG-KONG
CALCUTTA
MACAU
BOMBAY
RANGOON
BANGKOK
MANILA
MADRAS
SAIGON
LABUAN
COLOMBO
KUALA LUMPUR
SINGAPORE
MEDAN
SOERAB.
MACASSAR
BATAVIA
BANDOENG
KRAUSE

map East

CEYLON

Normal Clock Time — G. M. T. plus 5½ hours.
No Summer Time.

RADIO SEAC

Address: Radio Unit SEALF, Forces Broadcasting Service, 191, Turret Road, Colombo, Ceylon.

Leading Personalities: Station Director: Wing Commander A. E. Smith; Director of Programmes: Major Alexander Moyes; News Editor: Captain Ronald George; Chief Engineer: Mr. Edward Bonong.

Stations: Radio SEAC, Ceylon.

17770 kc/s	16.88 m	7,5 kW
17730 kc/s	16.92 m	7,5 kW
15120 kc/s	19.84 m	100 kW
9520 kc/s	31.51 m	100 kW
6075 kc/s	49.38 m	7.5 kW
3395 kc/s	88.30 m	7.5 kW

Daily Programmes.
Transmission One from 04.30-06.30 and 10.30-16.15. (Saturdays and Sund. 00.30-06.30 and 10.30-16.15). On 15120 kc.
Transmission Two from 04.30-06.30 and 10.30-16.15 (Saturdays and Sundays 00.30-06.30 and 10.30-16.15). On 17730 kc (except from 12.00-12.15), 6075 kc, 9520 kc, 3395 kc.
These two transmissions carry entertainment and news.
Transmission Three from 12.00-12.15 daily on 17730 kc. This transmission carries a programme in Sinhalese and Tamil for Ceylonese troops in Malaya.

00.30	Music (Saturd. and Sund. only)	05.30	News
		06.25	Programme Summary
01.00	News (BBC. Saturd. and Sund. only)	11.00	News (BBC)
		12.30	News
03.00	News (BBC. Saturd. and Sund. only)	14.00	Radio Newsreel
		16.00	News (BBC)
03.15	Music (Saturd. and Sund. only)	16.10	Programme Summary

Special beam to the United Kingdom on Sundays from 17.30-19.30. On 19.84 m, 16.88 m, 49.38 m, 88,3 m and 31.51 m.

Highlights of Programmes.
"Heard Melodies are Sweet" Classical requests: Mondays and Thursdays at 12.35, repeated on Tuesdays and Fridays at 05.45.
"SEAC Theatre": Every Thursday at 14.15. (Transmission Two).
"Radio Cinema": Every Sunday at 13.30.
Symphony Concerts: Sundays at 14.15. Wednesdays at 14.15. (Transmission Two only).
Jazz and Swing: Sundays at 11.15, Thursdays at 11.30, Fridays at 14.15, Saturdays at 11.15. (All on Transmission Two).

Magazine Programmes: Monday at 13.30, Wednesdays at 13.30. Fridays at 13.15 (Transmission Two).
Opera Hour: Mondays at 14.15. (Transmission Two).

Announcement: "This is Radio SEAC, Ceylon". Close down with National Anthem.
Signature Tune: "Strike up the Band".

Interval Signal: "Strike up the Band" played as glockenspiel motif.

Message to Listeners: Radio SEAC welcomes reports from professionals and amateurs whereever their location, and undertakes to send a prompt and grateful Q. S. L. Nowhere is the keenness of listeners greater than in Scandinavia, and it is a source of great pleasure to the Station Director, that not a week passes without bringing 20 to 30 detailed reception reports from this area.

COLOMBO BROADCASTING

Address: Colombo Broadcasting Service, Telecommunication Department of the Government of Ceylon, Colombo.

Station: Colombo ZOH 4900 kc/s 61.29 m 11 kW

Daily Programmes in English from 02.00-02.40 (exc. Sun.), 06.00-08.30. Mond. to Frid. 11.30-17.00; Sat. 10.30-17.00; Sun. 10.55-17.00.
Announcement: "This is Colombo Ceylon calling on ZOH for home on 428.6 m (700 kc/s) and 61.29 m (4900 kc/s)"
Interval-Signal: Assortment of tunes.

CHINA

Manchuria: Normal Clock Time — G. M. T. plus 9 hours.
East China: Normal Clock Time — G. M. T. plus 8 hours.
Summer Time — G. M. T. plus 9 hours.
West China: Normal Clock Time — G. M. T. plus 7 hours.
Summer Time — G. M. T. plus 8 hours.

Stations:

Chungking	XGOY	15170 kc/s	19.78 m	35 kW
Chungking	XGOY	11913 kc/s	25.21 m	35 kW
Chungking	XGOY	9658 kc/s	31.07 m	35 kW
Chungking	XGOY	7153 kc/s	41.94 m	10 kW
Chungking	XGOY	6140 kc/s	48.86 m	35 kW
Peiping	XRRA	10260 kc/s	29.25 m	10 kW
Kuichow	XPSA	8470 kc/s	35.42 m	10 kW
Kuichow	XPPA	7100 kc/s	42.25 m	10 kW
Shanghai	XORA	11690 kc/s	25.66 m	5 kW
Nanking	XGOA	11835 kc/s	25.36 m	7,5 kW
Nanking	XGOA	9720 kc/s	30.86 m	2 kW
Nanking	XGOA	15350 kc/s	19.54 m	7,5 kW
Nanking	XMPA	12220 kc/s	24.55 m	1 kW
Kunming	XPRA	6404 kc/s	46.86 m	15 kW
Canton	XTPA	11650 kc/s	25.74 m	1 kW
Hankow	XLRA	11500 kc/s	26.09 m	1 kW
Lanchow	XNRA	9750 kc/s	30.77 m	1 kW
Amoy	XUPB	6130 kc/s	48.94 m	0,5 kW
Chekiang	XOPB	12120 kc/s	24.75 m	0,5 kW
Foochow	XGOL	10000 kc/s	30.00 m	0,2 kW
Shansi	XKPB	9500 kc/s	31.58 m	0,2 kW
Fukien	XUPA	10000 kc/s	30.00 m	3 kW
Taiwan	XURA	7220 kc/s	41.55 m	3 kW
Kwangsi	XGOE	9868 kc/s	30.40 m	0,1 kW

News can always be heard at the same hour as scheduled over individual stations and news in English originated by XGOY (6140 kc/s or 7153 kc/s) at 13.00 can be heard daily over XGOA (15350 kc/s or 9730 kc/s) Canton, Amoy and Hankow.

Announcement: All stations give their call-letters in English and opening programme announcement in Chinese except for the *Central* and *International* which give both Chinese and English announcements.

Interval Signal: All stations interval signal consists of chimes of a five-tone instrument.
The Chinese Message to Listeners all over the World: "We wish to draw listeners attention to our special programmes from XGOY of SEMI-MONTHLY CONCERTS at 13.30, inaugurated in Cooperation with the Consulates-General of Great Britain, France and the United States of America in Chungking and will appreciate reports of any kind from listeners and be glad to answer them.

XGOY — INTERNATIONAL CHUNGKING

Address: Chinese International Broadcasting Station XGOY, Chungking.

Daily Programmes in English from 08.55-15.50.
08.55-10.30 on 19.78 m. To Australia, New Zealand and East Africa.
08.55 Chinese Music, Program Preview. — 09.00 Western Music. — 09.20 News in Mandarin. — 09.30 News in Cantonese. — 09.40 Peiping Opera. — 10.00 News in Mandarin. — 10.05 Western Music.

10.35-12.35 on 48.26 m and 41.94 m. To East Asia and South Sea.

10.35 Programme Preview. News in Cantonese — 10.45 Western Music — 11.00 News in English — 11.10 Chinese Songs — 11.20 News in Mandarin — 11.30 Foreign Ministry Programme — 11.35 News in Siamese — 11.45 Chinese Music — 12.00 News and Commentary in Mandarin (Relay XGOA) — 12.30 On the March.
12.40-15.00 on 48.86 m and 41.94 m. To North America and Europe.

12.45 Programme Preview. Cantonese Music — 12.50 News in Cantonese — 13.00 News in English — 13.15 Foreign Ministry Program — 13.20 News in Mandarin — 13.30 Western Music — 13.55 News in Mandarin — 14.00 Western Music — 14.15 Western Music — On *Sundays* from 13.30-14.00 "Bringing Christ to the Nations".

14.55-15.45 on 48.86 and 41.94 m. To Europe, America, South Seas and China.

News in *English* at 15.00. In Mandarin at 15.10.

XGOA — CENTRAL BROADCASTING STATION — NANKING

Address: Central Broadcasting Administration, Nanking.

Leading Personalities: Director General: Mr. T. Y. Woo. Deputy General: Mr. T. Y. Penn. Technical Director: Mr. C. C. Lin. Programme Director: Mr. H. K. Shu.

Daily Programmes on 25.36 m and 30.86 m from 00.30-04.00; on 25.36 m from 08.00-15.15.
News at 02.10, 03.30, 10.00.

XRRA — PEIPING

Daily Programmes from 12.45-15.30.

XPPA — BROADCASTING STATION — KUICHOU
Daily Programmes from 04.30-06.00, 10.00-14.00.

XORA — BROADCASTING STATION — SHANGHAI
Daily Programmes from 23.45-01.15, 04.00-05.30, 08.50-15.15.

XPRA — KUNMING
Daily Programmes from 05.00-10.00 and 11.30-16.00.

XTPA — CANTON
Daily Programmes from 10.00-14.55.

XLRA — HANKOW

Address: Hankow Broadcasting Station, 168 Ching-Lee Street.

Daily Programmes from 23.00-00.30, 04.30-06.00, 14.00-15.30. *News* at 14.00 from XGOY.

XNRA — KANSU LANCHOW
Daily Programmes from 00.30-02.30, 05.00-07.00.

XUPB — AMOY
Daily Programmes from 09.30-14.30.

XOPB — CHEKIANG HANGCHOW
Daily Programmes from 00.30-03.30 and 05.30-14.20.

XGOL — FOOCHOW
Daily Programmes from 09.00-15.00.

XKPB — SHANSI-TAIYUAN
Daily Programmes from 00.30-01.30, 03.00-04.00 and 09.30-14.55.

XURA — TAIWAN
Address: Central Broadcasting Administration, Chong Suu Park, Taipeh, Taiwan, Formosa.
Daily Programmes from 22.30-24.00, 03.55-06.00 and 09.00-15.00.

XMPA — NANKING
Address: Chinese Army Radio Service, 10 Snake Mountain, Hanchungmen, Nanking in Chinese.

Leading Personalities: Director: Mr. Fu Hwa Hau.
Daily Programmes from 23.30-00.30, 04.00-05.30, 09.00-15.00. *News* in *English* from 10.40-10.50.
Interval-Signal: Bugle Call before each transmission.

XGOE — THE EDUCATIONAL BROADCASTING STATION OF KWANGSI, KWEILIN

Leading Personalities: Director: Mr. Lu Hin Shue.
Daily Programmes in *Chinese* from 10.00-14.00.

EAST-INDIA (Dutch)

JAVA

Normal Clock Time — G. M. T. plus 7½ hours.
Summer Time — G. M. T. plus 8 hours.

BATAVIA.
Address: Regeerings Voorlichtings Dienst, Koningsplein 12, Batavia.

CENTRAL WESTERN STATIONS:

Batavia YDD	2600 kc/s	115.3 m	0,25 kW	Local
Batavia YDD2	4870 kc/s	61.60 m	0,3 kW	For West Java
Batavia YDD3	9550 kc/s	31.41 m	3 kW	For Dutch East-India Archip.
PLB4	10365 kc/s	28.94 m	3 kW	For Dutch East-India Archip.

Daily Programmes in Dutch.
On *Sundays* from 23.30-07.15 and 09.30-16.00.
On *Weekdays* from 22.30-00.30, 04.30(Sat. 03.30)-07,15 and 09.30-16.00.

English Programme from 10.30-11.00.

CENTRAL EASTERN STATIONS:

Poerri YDB2	4910 kc/s	61.10 m	0,3 kW	For Java, Sumatra
YDE	11770 kc/s	25.49 m	3 kW	For Java, Malaga
YDC	15145 kc/s	19.82 m	10 kW	For Java, Australia, India, Arabia
YDB3	7270 kc/s	41.27 m	1 kW	For Java
YDB	2235 kc/s	134.2 m	0,25 kW	Local

Daily Programmes in Dutch.
On *Sundays* from 23.30-06.30 and 08.30-15.30 (Except YDC from 23.30-06.30 and 11.00-14.25)
On *Weekdays* from 22.30-01.30, 03.30-06.30 and 08.30-15.30 (Except YDC from 10.30-14.25)

English Programme from 10.30-11.00.

OVERSEAS STATIONS:

PLE3	18600 kc/s	16.12 m	2,5 kW	For Holland, Europe, India
PLA2	19345 kc/s	15.50 m	2,5 kW	For Holland, Europe, India
PLA8	8910 kc/s	33.67 m	3 kW	For U. S. A, Philippines
YDC	15145 kc/s	19.82 m	3 kW	For Australia, Malaya, India and Arabia
PLD6	17630 kc/s	17.02 m	3 kW	For Arabian Countries

100 kW transmitter under construction; will be ready Septbr. 1948.

Daily Programmes from 23.00-01.30, 06.00-09.00,11.00-14.00 and 17.00-22.30
Sundays from 23.00-06.45 and 09.30-16.00.

BANDOENG
Address: Radio Bandoeng, Regeerings Voorlichtings Dienst, Bandoeng.
WESTERN STATIONS: Radio Omroep Bandoeng.

PMB3	10060 kc/s	29.82 m	3 kW	For Java, Borneo
PMB2	7995 kc/s	37.52 m	3 kW	For Java, Sumatra
YDA3	7100 kc/s	42.25 m	0,18 kW	For West Java
YDA	3024 kc/s	99.20 m	3 kW	For Java, Celebes

Daily Programmes in Dutch:
On 42.25 and 99.2 m. *Weekdays* from 23.00-01.30, 04.00-06.45 and 09.30-15.30. *Sundays* from 23.00-06.45 and 09.30-16.00
Weekdays: 23.00 News, Music. — 04.00 Programme Preview, Music. — 05.00 News, Music. — 06.30 News. — 09.30 Programme Preview, Music. — 13.30 Progr. for the Forces.

SOERABAJA
Address: Regeerings Voorlichtings Dienst, Kajoon 44, Soerabaja.

WESTERN STATIONS: Radio Omroep, Soerabaja.

YDI	3240 kc/s	92.59 m	0,25 kW	For Java
YDI2	8404 kc/s	35.70 m	0,20 kW	For Java

Daily Programmes in Dutch:
On *Sundays* from 22.55-06.15 and 09.00-16.45.
On *Weekdays* from 22.30-01.00, 04.00-06.15 and 08.55-16.45.
News on *Weekdays* at 22.35, 23.30, 05.00, 06.10, 12.00, 14.00

EASTERN STATIONS: Radio Resmi Soerabaja.

YDI2	4412 kc/s	68 m	3 kW	For Java
—	7317 kc/s	41 m	1 kW	
PDF3	12000 kc/s	25.00 m	1 kW	For Java
PMS4	13600 kc/s	22.08 m	0,25 kW	For Java

Daily Programmes in Indonesian from 23.00-00.30, 04.00-06.00 and 09.00-16.00.

SEMARANG
Address: Radio Semarang. Regeerings Voorlichtings Dienst, Semarang.

Stations: Radio Semarang.

YDH	2510 kc/s	119.5 m	0,06 kW	Local
YDH2	11030 kc/s	27.20 m	0,1 kW	For Central Java

Daily Programmes from 11.30-15.30

News in Dutch: Daily at 12.30
News in Indonesian: Weekdays at 12.20

CELEBES

Normal Clock Time — G. M. T. plus 8 hours.

No Summer Time.

Address: Radio Macassar, Strandweg Z 2, Macassar Indonesia State of East Indonesia N. E. I.
Macassar. Capital city of the autonomous State of *East Indonesia.*
Leading Personalities: Director of Broadcasting: Mr. A. Niederer. Director of Dutch and English Programmes: Mr. W. M. Erdtsieck. Director of Indonesian Programmes: Mr. W. Ch. Risakotta. Chief Engineer: Mr. J. Schaap. Administrator: Mr. W. L. T. Willemsz Geeroms.

Stations: Radio Macassar.

Y. F. A. 9	9357 kc/s	32.06 b	10 kW
Y. F. A.	5060 kc/s	59.28 m	0,5 kW

Daily Programmes in Dutch:
Weekdays from 05.15-06.30 and 12.30-14.30 23.30-00.15.
Sundays: 00.00-07.15 and 12.30-14.30.
Programme in English

13.00-13.15: Commentary on Mondays and Fridays.

Announcement: Indonesian and English. Dutch and English. *Indonesian:* "Di sini Radio Resmi Makassar". Dutch: "Hier is Radio Makassar". *English:* "This is Radio Macassar". **Signature Tunes:** *Dutch* Programme: "Calling all Workers". *Indonesian* Programme: "The voice of the Gun". **Closing Tunes:** *Dutch* Programme: "A perfect Day (on Cinema Organ). *Indonesian* Programme: "Lagoe potong padi".

Message to Listeners: "Reception reports from listeners will be much appreciated and will be answered by QSL card.

SUMATRA

Normal Clock Time — G. M. T. plus 7 hours.

Address: Radio Sumatra, Medan.

Stations:

YDP	4845 kc/s	61.92 m	0,5 kW	
YDP2	7200 kc/s	41.67 m	0,12 kW	Lokal

Daily Programmes in Dutch from 07.00—08.00 and 11.30-13.30

BORNEO (Dutch)

Normal Clock Time — G. M. T. plus 8 hours.

Address: Radio Balikpapan, Pontianak.

Stations: Radio Balikpapan.

YCN	5480 kc/s	54.74 m	0,04 kW	Local
YCN-2	6650 kc/s	45.11 m	0,125 kW	For West- and South-Borneo
YCN-3	8090 kc/s	37.08 m	0,25 kW	For West- and South-Borneo

Daily Programmes from 10.15-12.00

HONG-KONG

Normal Clock Time — G. M. T. plus 8 hours.
Summer Time — G. M. T. plus 9 hours.

Address: Hong-Kong Broadcasting Studio, Gloucester Building 2nd Fl., Hong-Kong.

Leading Personalities: A Government controlled station with an advisory committee under the chairmanship of the Postmaster General. Programme Director: Mr. D. Keith Hardy. Musical Programme Supervisor: Mrs. Betty Brown. Programme Assistants. Miss Aileen Woods and Mrs. Clara Stansfeld. Supervisor of Chinese Programmes: Mr. S. C. Lau. Chief-Engineer: Mr. W. A. M. Ramsbotham. —

Stations: *Hongkong* 2 kW.

Z. B. W.	845 kc/s	*English*	
Z. E. K.	640 kc/s	*Chinese*	
Z. B. W. 3	9525 kc/s	31.49 m	*English* and *Chinese*

Daily Programmes: ZBW3 from 03.30-05.00 and 09.00-14.15 *carrying* the *English* and *Chinese* programmes on ZBW and ZEK, at the following times:

ZBW: *English* from 03.30-04.25, 10.30-11.00 and 12.15-14.15

News and Announcement:

English:	*Chinese*
01.30 Church Service (Sunday Only)	04.30 News in Kuoyu
02.30 Programme (Sunday Only)	04.40 News in Cantonese
03.30 Programme Summary	04.50 News in Swatow
04.15 News	09.00 News in Kuoyu
04.25 Weather Report	09.15 News in Swatow
	09.30 News in Cantonese
10.30 Programme	11.30 News and Commentary in Cantonese
10.30 Portuguese Half-hour (Mo. only)	13.00 Chinese Programme
10.30 French Half-hour (Thursd. only)	12.15 Programme
11.00 News	13.00 News
	13.15 Weather Report
	14.00 Radio Newsreel

Highlights of Programmes: Sunday Promenade Concerts — Radio Theatre on Tuesdays, and regular Cantonese and Mandarin operas.

Announcement:
English: "This is ZBW Hong Kong Calling"
Chinese: "Heung Kong Kwang Tian Toi Z. E. K."

Interval Signal: March.

Message to Listeners: We are always interested to receive listeners' comments on programmes and reception, especially as we are operating on very low power, and all letters are answered. We are particularly interested to hear comments about our Chinese transmissions and also our French and Portuguese programmes from overseas listeners.

INDIA

Normal Clock Time — G. M. T. plus 5½ hours
No Summer Time.

Address: Directorate General, All India Radio, Government of India Broadcasting House, Parliament Street, New Delhi.

Leading Personalities: Director General: Mr. P. C. Chaudhuri (on deputation) Mr. N. A. S. Lakshmanan (officiating) Mr. Rai Bahadur S. N. Chaturvedi. Chief Engineer: Mr. B. V. Baliga. — Director of Administration: Mr. Rai Sahib C. N. Sen., Director of News & External Services: Mr. M. L. Chowla, Editor for Indian Listeners: Mr. S. N. Ghosh.

Stations: Delhi.

VUD2	4960 kc/s	60.48 m	10 kW
VUD3	6010 kc/s	49.92 m	20 kW
VUD10	7210 kc/s	41.61 m	20 kW
VUD2	7290 kc/s	41.15 m	10 kW
VUD10	7210 kc/s	41.61 m	20 kW
VUD5	9590 kc/s	31.30 m	100 kW
VUD10	9630 kc/s	31.15 m	20 kW
VUD2	9630 kc/s	31.15 m	10 kW
VUD3	9670 kc/s	31.02 m	5 kW
VUD11	9660 kc/s	31.06 m	20 kW
VUD11	11760 kc/s	25.51 m	20 kW
VUD4	11850 kc/s	25.32 m	10 kW
VUD9	11870 kc/s	25.27 m	7,5 kW
VUD7	15160 kc/s	19.79 m	100 kW
VUD5	15190 kc/s	19.74 m	100 kW
VUD11	15290 kc/s	19.62 m	20 kW
VUD3	17760 kc/s	16.89 m	5 kW
VUD8	17760 kc/s	16.89 m	7,5 kW
VUD10	17830 kc/s	16.83 m	20 kW
VUD8	21510 kc/s	13.95 m	7,5 kW
VUD10	21510 kc/s	13.95 m	20 kW

Bombay, VUB2, 10 kW		**Calcutta, VUC2, 10 kW**	
4880 kc/s	61.48 m	4840 kc/s	61.98 m
7240 kc/s	41.44 m	7210 kc/s	41.61 m
9550 kc/s	31.41 m	9530 kc/s	31.48 m

Madras, VUM2, 10 kW	
4920 kc/s	60.98 m
7260 kc/s	41.32 m
9590 kc/s	31.30 m

Daily Programmes from Delhi to Listeners outside India
In English:

03.15 Summaries of the External Services. Programmes for the next seven hours	in 25-19-16-13 m. b.
03.30 News	in 25-19-16-13 m. b.
05.30 News. (Including a round up of Indian News in the last twenty-four hours) followed by Western Music	in 25-19-16-13 m. b.
06.30 News	in 25-19-16-13 m. b.
10.00 Headlines News followed by Programme summary for the next 7½ hours	in 25-19-13 m. b.
11.30 News, followed by composite Programmes. Music or Talk	in 25-19-16-13 m. b.
14.00 Summaries of the Programmes Broadcast in the External Services (In English only on Mon., Wedn.)	in 25-19-13 m. b.
14.30 News	in 31-25-19-13 m. b.
14.45 Recorded Western Music	in 31-25-13 m. b.

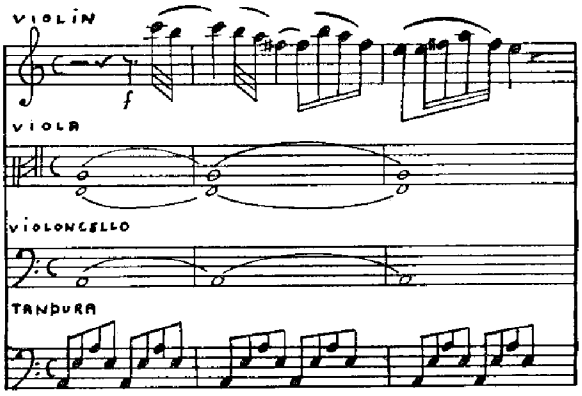
In other languages:

03.30 Pushtu News. Music	in 31-25 m. b.
03.45 Chinese Music	in 25-19-16-13 m. b.
04.30 Gujerati News. Music	in 25-19-16-13 m. b.
05.00 Burmese News	in 19-16 m. b.
06.00 Hindustan News, Music	in 25-19-16-13 m. b.
06.45 Tamil News. Music	in 25-19-16-13 m. b.
07.15 Indonesian News	in 25-19-16-13 m. b.
08.40 Pushtu News. Music	in 25-19-16 m. b.
09.30 Chinese News	in 25-19-16 m. b.
10.00 Chinese News	in 19-16 m. b.
10.30 Chinese News. Music	in 19-16 m. b.
10.30 Hindustan Music	in 25-19-13 m. b.
11.30 Burmese News, Various	in 19 m. b.
12.00 Tamil News. Music	in 25-19-13 m. b.
13.00 Pushtu News. Talk	in 49-31-26 m. b.
16.15 Arabic News, Various	in 31-25-19-13 m. b.
16.45 Persian News, Various	in 31-25-19-13 m. b.
17.00 Afghan-Persian News. Talk	in 41-31 m. b.

Daily Home Programmes from Delhi, Bombay, Calcutta and Madras on Shortwave.
Home News in English:
02.30 in 41-31-25-19 m. b.
08.00 in 31-25-19-16 m. b.
12.30 in 41-25-19-16 m. b.
15.30 in 60-41-31-25-19-13 m. b.
16.00 in 60-41-31-25-19-13 m. b. (BBC News Relay)

Announcement: "You are listening to All India Radio".

Interval-Signal: All India Radio's signature tune is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are Violin, Viola, Cello and Tampura.



Message to Listeners: Reports from Listeners are answered with special QSL card. — It is not necessary to enclose return postage. —

AKASH-VARNI BROADCASTING STATION MYSORE
Stations:
UN7MC 6065 kc/s 49.46 m 5 kW

Daily Programmes from 01.30-02.40, 07.30-08.40 and 11.00-15.40.
News in English at 02.30 and 12.30.

PAKISTAN:
Director General of the Pakistans Radio: Mr. Boghari. Two 50 kW shortwave transmitters at Karachi under construction. A 7,5 kW shortwave transmitter at Dacca.

INDOCHINA (French)

Normal Clock Time — G. M. T. plus 7 hours.
Summer Time — G. M. T. plus 8 hours.

Address: Radio Saigon, 86 Rue Mac-Mahon, Saigon,

Leading Personalities: Manager: M. Rene Paget, Head of English Dept. M. Jean Pipon, Head of Artistic Dept.: M. Raymond Steenbrugge, Chief-Editor (French news): M. Georges Ducrest.

Stations:

Radio Saigon	18393 kc/s	16.31 m	12 kW
Radio Saigon	11780 kc/s	25.74 m	12 kW
Radio Saigon	6165 kc/s	48.66 m	12 kW

Daily Programmes from 23.30-01.00, 02.15-05.30 (48.66 until 05.00) and 08.30-15.30.

23.30 News in French
00.30 News in French
00.45 News in English (on 25.47 m. only)
02.15 News Dictation
04.00 Request Records
04.30 News in French
04.45 French Cronicle
10.00 Progr. in Vietnamese on 48.66 m, Progr. in English on 25.47 m (News, Talk, Music)
12.00 French Progr.
12.30 Variety
13.30 Progr. in English on 25.47 m (News, Talk, Music)

Letter Box Programmes: In French every Tuesday at 03.00; in English every Monday at 10.40 and every Friday at 13.50.

Indochina speaks to France daily on 16.31 m from 15.30-16.00.

Announcement: "Ici Radio Saigon La Voix de la France en Extreme-Orient."

"This is Radio Saigon — The Voice of France in Far-East."

Interval-Signal: Gong.

Message to Listeners: "We receive an important mail from overseas listeners interested in our English programmes. All reports are answered: firstly over the air, every Friday at 13.50 G. M. T. and every Monday at 10.40 G. M. T. secondly, by means of a verification card, or personal letter, if needed. We attach much importance to these listeners reports and cordially invite DX fans to write to us and frankly give us their opinion on our programmes".

JAPAN

Summer Time. — G. M. T. plus 10 hours (to 11 Sept.).

THE BROADCASTING CORPORATION OF JAPAN, TOKIO. (NIPPON HOSO KYOKAI).
Leading Personalities: President: Mr. Takano, Iwasaburo. General Managing Director and Chief of Programme Dept.: Mr. Fukukaki, Tetsuru. Chief of Technical Dept.: Mr. Komatsu, Shigeru. —

There is no transmission on short wave or medium wave, destined to serve foreign listeners at present. Short wave transmissions presently served can be classified as follow according to their purposes:
1. Home relaying service of the National Network No. 1 and 2 Programmes mostly originated in Tokyo Central Station, for some 90 local stations. —
2. Transmissions destinated to Japanese former soldiers and civilians still abroad and waiting for reparation, programme of which are mostly same as Network 1. — These programmes are all in *Japanese* language.

Stations. Relay of JOAK-1 (Tokio).

Yamata JKC	7257.5 kc/s	41.3 m	5 kW
Nazaki JKF	9655 kc/s	31.07 m	5 kW
Nazaki JKF-2	4910 kc/s	61.10 m	5 kW

Daily Programmes in *Japanese:*
On 41.3 m from 19.00-12.30
On 31.07 m from 19.00-06.30
On 61.10 m from 06.55-12.30

Network 1.
19.00 Music
20.00 News
20.20 Light Music
20.30 English Talk
20.45 Letters from Listeners
21.00 News
23.00 News Round-up
23.30 Classical Music
01.30 Today's Music
01.45 News
02.15 Topicals or Music
05.00 News
06.00 Music
06.25 News
07.00 News
08.00 English Talk
09.00 News
11.15 Japan Today
11.45 Commentary
11.55 Programme Preview
12.25 News

Stations. Relay of JOAK-2 (Tokio)

Nazaki JKA	7205 kc/s	42.83 m	5 kW
Kawachi JKG	9695 kc/s	30.95 m	5 kW
Kawachi JKA-2	4930 kc/s	60.00 m	5 kW

Daily Programmes in *Japanese:*
On 42.83 m from 20.25-23.00, 00.00-01.20, 02.00-12.00
On 30.95 m from 20.25-23.00, 00.00-01.20, 02.00-12.00
On 60.00 m from 06.55-12.00

Network 2.
20.30 News
20.50 Classical Music
21.55 National News
02.00-07.00 Sports Broadcast

07.00-07.45 Music
08.00 News
08.15 Editorials
09.00 Music
09.15 Trial Reports
11.00 News
11.20 Music
12.00 National News Round-up

Announcement: Network sign of NHK (Nippon Hoso Kyokai) and call sign of JOAK (Tokyo) or JOBK (Osaka) identifies the station which originates the program. These announcements are made over all of shortwave transmissions regardless to their proper call signs, which usually are not given. —

Interval-Signal: Musical tones or signals now used are: Time signal, three short notes followed by one second note. Three chimes showing the local drop off from national hookup. No identification signal used at present.

Message to Listeners: "We have no verification card prepared at present. We answer all questions by letter."

ARMED FORCES RADIO SERVICE

Stations. Relay of WVTR Tokio.

Nazaki JKD	6015 kc/s	49.88 m	0,3 kW
Yamata JKE	9605 kc/s	31.24 m	5 kW
Yamata JKE-2	4860 kc/s	61.73 m	5 kW

Daily Programmes in *English:*
On 49.88 m from 20.15-13.00
On 31.24 m from 20.15-07.45
On 61.73 m from 07.55-13.00

The planning and production of these programmes are operated by the AFRS and major part of their transmissions are delegated to the Broadcasting Corporation of Japan and serve the Occupation Forces in Japan and Korea.

BRITISH COMMONWEALTH OCCUPATION FORCES RADIO —

Address: B. C. O. F. Radio WLKS Kure Japan.

Leading Personalities: Lt. K. Collie. O. C. Broadcasting.

Stations: Kuro WLKS 6100 kc/s 49.18 m 1 kW

Daily Programmes in *English* from 20.30 (Sun. 21.30)-12.30.

STATIONS BROADCASTING TO REPATRIATION — CAMPS IN CHINA

Kawachi JVW	15225 kc/s	19.71 m	15 kW
Kawachi JVW-2	3505 kc/s	85.95 m	15 kW
Kawachi JVW-3	15235 kc/s	19.69 m	5 kW
Kawachi JVW-4	9560 kc/s	31.38 m	5 kW

Daily Programmes in *Japanese:*
On 1971 and 19.69 m from 21.50-06.30
On 85.95 and 31.38 m from 06.55-12.30

KOREA

Normal Clock Time — G. M. T. plus 9 hours.
No Summer Time.

Address: Korean Broadcasting System, Seoul.

Station: HLKA 7930 kc/s 37.82 m

Daily Programmes in Korean from 11.00-13.30

Announcement: Every 15 minutes "HLKA, this is the Korean Brodacasting System".

Interval Signal: Three-toned gong.

MALAYA

Normal Clock Time — G. M. T. plus 7½ hours.
No Summer Time.

BRITISH FAR EASTERN BROADCASTING SERVICE

Address: British Far Eastern Broadcasting Service, Thomson Road Studios, P. O. Box 434, Singapore.

Leading Personalities: Controller: Mr. C. Lawson-Reece. Programme Director: Mr. D. L. Porter. Chief Engineer: Mr. Bruce Purslow. Administrative Officer: Mr. W. R. Baker.

Stations: Singapore 7.5 kW

6770 kc/s	44.31 m	9690 kc/s	30.98 m
11735 kc/s	25.56 m	15300 kc/s	19.61 m

Daily Programmes

On 44.31, 25.56 and 19.61 m from 09.00-16.30.
On 30.98 m from 10.30-16.30.

09.00 Programme Preview and News
09.05 Share Market Report (exc. Sun.)
09.10 Music (Mon., Fri.: Health Bulletin)
09.20 Feature or Talk
09.50 News in English
10.00 Progr. in Indonesian
11.00 Progr. in Kuoyu
11.45 News, Talk, English Lesson from BBC
12.15 News in Frencr
13.00 Progr. in Indonesian
12.30 Siamese, Progr. and News
13.15 News in Dutch
13.30 Kuoyu. Progr. and News
14.00 News in Burmese
14.15 News in English and Share Market Report
14.30 Talk or Feature Programme from BBC
15.00 Music (exc. Sat.)
15.15 Talk (Mon., Tues., Thurs., Fri.)
15.30 Music (exc. Fri. and Wedn.) News in English
16.10 News Analysis from BBC
16.15 Talk from BBC (exc. Sat. when Dance Music)

Announcement: In *English:* "This is the British Far Eastern Broadcasting Service, Singapore". Languages: Malay, Siamese, Chinese, Dutch, French and Japanese.

Interval-Signal: A chime of two bells at 7 seconds interval.

Message to Listeners: "The British Far Eastern Broadcasting Service greets all listeners in South East Asia and is always glad to receive their comments on programmes and reception. Reports are answered by QSL-card.

RADIO MALAYA

Address: Radio-Malaya, Department of Broadcasting, Cathary Building, Singapore.

Singapore	7200 kc/s	41.66 m	10 kW
Singapore	4825 kc/s	62.18 m	10 kW
Kuala Lumpur	6025 kc/s	49.79 m	10 kW
Singapore	4780 kc/s	62.76 m	10 kW

Daily Programmes from Singapore (Blue Network).
In English:
On 41.66 m from 03.40-04.40, 05.40-06.40.
On 62.18 m from 14.10-15.40 Saturdays also 09.40-11.40.

Daily Programmes from Singapore (Red Network).
In Chinese:
On 62.18 m from 04.40-06.40.
On 62.76 m from 12.25-14.10.

Daily Programmes from the Malayan Union: Kuala Lumpur.
In English:
On 49.63 m from 05.40-06.40 and 13.10 (Sun. 07.40)-15.40 (Sat. 16.40).
Announcement: "Here is Radio Malaya calling you from ..... (Singapore, Kuala Lumpur, Penang, Seremban or Malacca respectively).

Interval-Signal: "Terrang Bulan."

SIAM

Normal Clock Time — G. M. T. plus 7 hours.
No Summer Time.

Address: The Overseas Broadcasting Station, Publicity Department, Bangkok, Siam.

Leading Personalities: President: Luang Sukhum Nayapradit. Manager: Nai Witt Siwasariyanon. Chief Engineer: Luang Tantakosai. Announcer: Nai Rasi Padmasankha and Nai Uthaiphan Bunnang.

Stations:
Bangkok HS8PD 6000 kc/s 50 m 2,5 kW

Daily Programmes in *English* from 10.00-11.30:

10.15 News	10.45 Passing Week (Sun.)
10.25 Music	10.50 Music
10.45 Press Review (Mond., Wedn., Fri.)	11.15 News
	11.25 Music

Announcements: "This is the Overseas Broadcasting Station of Siam".

Opening Announcement: National song and three chimes.

Message to Listeners: "We ask all shortwave listeners to send us report, which always will be verified" either by QSL card or letter. Return postage not required.

AUSTRALIA

AUSTRALIA

Eastern States (Call-signs VLR, VLH and VLQ). Normal Clock Time — G. M. T. plus 10 hours.
South Australia. Normal Clock Time — G. M. T. plus 9½ hours.
Western Australia (Call-sign VLW). Normal Clock Time — G. M. T. plus 8 hours.
No Summer Time in any part of Australia.

A. B. C. AUSTRALIAN BROADCASTING COMMISION

Address: Australian Broadcasting Commision, Head Office, 264 Pitt Street, Sydney.
Correspondence should be addressed to the A.B.C., at the Capital city in which stations are situated.

Leading Personalities: Chairman: Mr. R. J. F. Boyer. Vice-Chairman: J. D. G. Medley. General Manager: Mr. C. G. A. Moses. Assistant General Manager: Mr. A. N. Finlay. Controller of Programmes: Mr. K. L. Barry. Controller of Administration: Mr. A. L. Holman.

Stations: Melbourne, VLR, 2 kW

VLR	9540 kc/s	31.45 m
VLR2	6150 kc/s	48.78 m

Lyndhurst, VLH, 10 kW

VLH3	9580 kc/s	31.32 m
VLH4	11880 kc/s	25.25 m
VLH5	15230 kc/s	19.69 m

Perth, VLW, 2 kW

VLW3	11830 kc/s	25.36 m
VLW5	9610 kc/s	31.22 m
VLW7	9520 kc/s	31.51 m

Brisbane, VLQ, 10 kW

VLQ3	9660 kc/s	31.06 m

Daily Programmes in *English* on Weekdays.
On 48.78 m from 20.00-22.15 and 08.45-14.00
On 31.45 m from 22.30-08.30
On 25.25 m from 20.00-23.15
On 19.69 m from 23.30-08.15
On 31.32 m from 08.27-14.00
On 19.69 m from 20.00-22.00
On 31.06 m from 20.00-14.00
On 31.51 m from 22.00-01.45
On 31.22 m from 10.15-16.00 and 21.00-02.15
On 25.36 m from 03.30 (Su. 02.00)-10.15
On 31.51 m from 10.30-16.00
VLG6 used for National Programme on 15230 kc/s from 20.00-22.00

Announcement: "This is the Australian National Programme". "This is the Victorian, New South Wales or Queensland Interstate Programme."

Interval-Signal: Chimes.

Message to Listeners: "The Australian Broadcasting Commission greets its listeners and invites reception reports from them".

RADIO AUSTRALIA

Address: "Radio Australia", Box 780 H, G. P. O., 475 Collins Street, Melbourne C. 1.

Leading Personalities: Director General: Mr. E. G. Bonney — Director: Mr. T. P. Hoey. Programme Manager: Mr. Robin Wood. — Editor: Mr. Hugh Buggy. — Chief Engineer: Mr. R. V. Mc-Kay. — Superintending Engineer: Mr. N. V. Hayes.

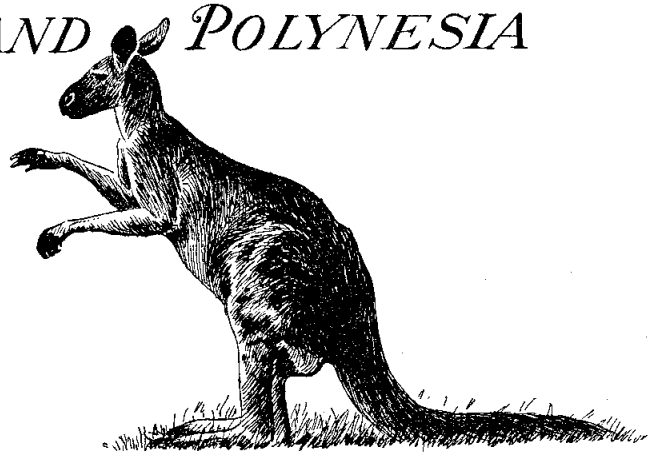
Stations: Shepparton, VLA, 100 kW

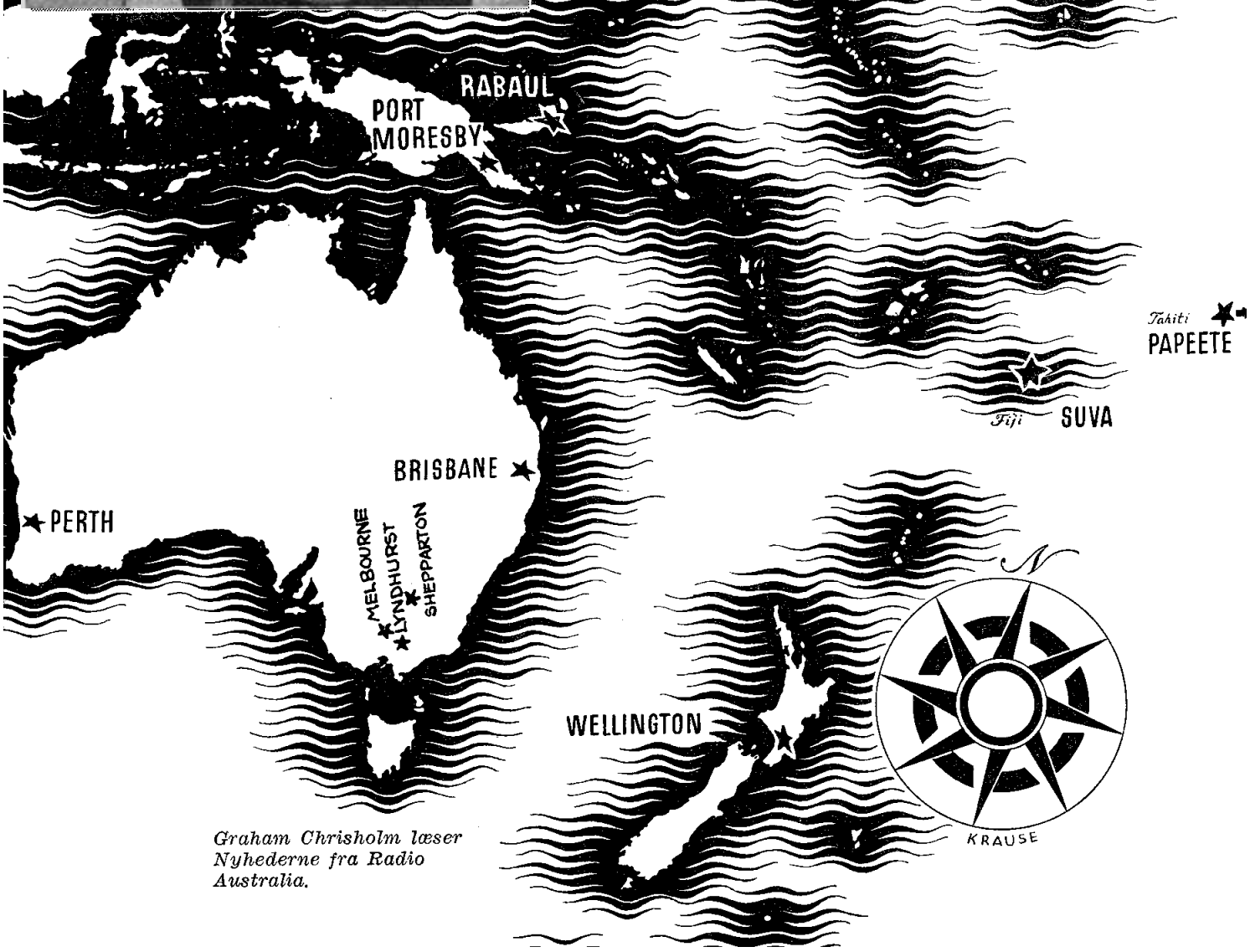
VLA	7280 kc/s	41.21 m
VLA2	9615 kc/s	31.20 m
VLA3	9680 kc/s	30.99 m
VLA4	11770 kc/s	25.49 m
VLA5	15320 kc/s	19.59 m
VLA6	15200 kc/s	19.74 m
VLA7	17800 kc/s	16.85 m
VLA8	11760 kc/s	25.51 m
VLA9	21600 kc/s	13.89 m
VLA10	17840 kc/s	16.82 m

Shepparton, VLB, 100 kW

VLB	9540 kc/s	31.45 m
VLB2	9680 kc/s	30.99 m
VLB3	11770 kc/s	25.49 m
VLB3	11760 kc/s	25.51 m
VLB4	11810 kc/s	25.40 m
VLB5	21540 kc/s	13.93 m
VLB6	15200 kc/s	19.74 m
VLB7	17800 kc/s	16.85 m
VLB8	21600 kc/s	13.89 m
VLB9	9615 kc/s	31.20 m
VLB10	11740 kc/s	25.55 m
VLB11	15320 kc/s	19.59 m
VLB11	15160 kc/s	19.74 m

AUSTRALIA AND POLYNESIA





Graham Chrisholm læser Nyhederne fra Radio Australia.

map Australia Polynesia

Shepparton, VLC, 50 kW

VLC	15200 kc/s	19.74 m
VLC2	9680 kc/s	30.99 m
VLC3	11870 kc/s	25.27 m
VLC3	11760 kc/s	25.51 m
VLC4	15320 kc/s	19.59 m
VLC5	9540 kc/s	31.45 m
VLC6	9615 kc/s	31.20 m
VLC7	11840 kc/s	25.35 m
VLC7	11810 kc/s	25.40 m
VLC8	7280 kc/s	41.21 m
VLC9	17840 kc/s	16.82 m
VLC10	21680 kc/s	13.84 m
VLC11	15210 kc/s	19.72 m

Lyndhurst, VLG, 10 kW

VLG	9580 kc/s	31.32 m
VLG2	9540 kc/s	31.45 m
VLG3	11710 kc/s	25.62 m
VLG4	11840 kc/s	25.35 m
VLG5	11880 kc/s	25.25 m
VLG6	15240 kc/s	19.69 m
VLG6	15230 kc/s	19.70 m
VLG7	15160 kc/s	19.79 m
VLG8	9680 kc/s	30.99 m
VLG9	11900 kc/s	25.21 m
VLG10	11760 kc/s	25.51 m

DAILY PROGRAMMES IN ENGLISH

02.00-04.00 *To Pacific, Asia and Japan* on 13.93, 16,82, 19.72 and 19.74 m (Sat. and Sun.. only).
02.15 Music. — 02.30 Mailbag (only Sun.)

03.00-04.00 *To Pacific, Asia and Japan* on 13.93, 16,82 and 19.72 m.
Daily: 03.00: News. 03.10 Music. 03.30: Music.

03.15-07.30 *Special Sports Transmission* to the Forces. (Saturdays only) on 13.93 and 19.72 m.

04.30-05.45 *To America* on 16.85, 19.59 and 25.51 m (not Sat) *To Africa* on 13.93 m (not Sat.)

Daily:
04.31 Programme Preview
04.32 Music
04.45 Talk
05.00 Music
05.15 News
05.25 Music or Talk

Sundays:
04.45 "Australian Radio-reel"
05.25 "Australian DX-ers calling"
Mondays:
05.28 "Magazine of the week'

07.00-08.15 *To Europe and British Isles* on 19.74 m; 16.82 m to 07.45; 25.51 m (not Sat.)

Daily:
07.01 Programme Preview
07.02 Music
07.15 Talks
07.30 News
07.45 Music
08.00 Music or Talk
08.12 Tomorrow's Progr.

Sundays:
07.02 "The all Star Show"
07.45 "The Magazine of the Week"
Wednesdays:
08.00 Canberra Report

08.55-14.00 *To Pacific, Asia and Japan.* On 19.59 m from 08.55-12.45; on 19.74 m from 08.05-09.10 and 12.00-13.45; on 25.40 m from 08.55-09.10 and 12.00-12.45; on 25.51 m from 08.55-10.00 and 12.00-14.00.

12.00-13.15 *To America and South Africa* on 31.45 and 25.40 m.

Daily:
12.01 News
12.10 Music (exc. Sat.) followed by Talk
13.00 News, Interlude
13.11 Tomorrow's Progr.

Sundays:
12.30 "Magazine of the Week"
Saturdays:
12.45 Australian Radio Reel

14.00-15.00 *To Europe and British Isles* on 25.51 and 19.74 m

Daily:
14.01 Programme Preview
14.02 Music or Talk
14.30 News
14.40 Music
14.45 Talk
14.57 Tomorrow's Progr.

Tuesdays:
14.15 Australia Day by Day
Fridays:
14.45 Economic Review

Sundays:
14.02 "Australian DX-ers calling"
14.45 "Magazine of the Week"

15.00-16.15 *To America* on 25.51 and 31.20 m
15.15-16.15 *To South Africa* on 25.35 and 19.74 m

Daily:
15.01 Programme Preview
15.02 Music
15.30 News
15.45 Talk
16.00 Talk

Sundays:
15.45 "Magazine of the Week"
Tuesdays:
16.00 "Canberra Report"
Saturdays:
15.15 "Overseas Mailbag"
15.45 "Australian Radioreel"

20.00-21.45 *To Europe, British Isles and New Zealand* on 19.74 m. On 25.51 and 31.45 m until 21.30.

Daily:
20.00 Programme Preview
20.02 Music or Song
20.15 Talk or Feature
20.30 News
20.40 Music (exc. Sat.)
21.00 Talk or Feature (exc. Sat., Fri.)
21.13 Tomorrow's Progr.

21.15 "Mike Connores at the Microphone" (exc. Sat.)
Sundays:
20.45 "Magazine of the Week"
21.00 "British Isles and Europe Mailbag"
Tuesdays:
21.00 Canberra Report
Saturdays:
20.15 "Australian Radioreel"

21.45-23.15 *To Pacific, Asia and Japan* on 19.79 m
Programmes as to America (see below)

21.45-23.15 *To America* on 25.51 m and from 22.00 on 19.74 m

22.10 Talk or Feature (exc. Sat.)
22.20 Music or Song
22.45 News
23.00 Talk

23.11 Tomorrow's Progr.
Sundays:
22.10 "Magazine of the Week"
23.00 "Australian DX-ers calling"

22.10-23.15 *To Europe and British Isles* on 19.70 m

Daily:
22.10 Talk or Feature (exc. Sat.)
22.20 Music or Song
22.55 Music

23.11 Tomorrow's Progr.
Sundays:
22.10 "Magazine of the Week"
23.00 "Australian DX-er's calling"

DAILY PROGRAMMES IN FRENCH

06.00-06.45 *To France and Indo-China* on 16.82 m
To Tahiti on 19.69 m
06.02 News
06.15 Music
06.30 Talk
06.41 Programme Preview

07.45-08.45 *To New Caledonia* on 25.62 and 19.59 m (from 08.00)
07.47 Programme Preview
07.48 Music
08.00 News
08.15 Music
08.30 Talk
08.40 Programme Preview

WEEKLY PROGRAMME IN SIAMESE

06.30-06.50 *To Siam on Wednesday* on 19.74 m
06.31 News in Siamese
06.46 Music

DAILY PROGRAMMES IN INDONESIAN

10.30-11.00 on 19.59 m
10.32 News
10.44 Talk, Music

DAILY PROGRAMMES IN DUTCH

11.00-11.30 on 19.59 m
11.00 News
11.10 Music
11.20 Talk
11.25 Music

Radio Australia is to commence German language Programmes in a near future which will be heard in the transmission to Europe from 20.00-21.45.

Announcement: "This is Radio Australia calling". "You are tuned to the Overseas Service from Australia". "This is Radio Australia transmitting in the Overseas Service".

Identification: Musical box rendition of "Waltzing Matilda" is played for five minutes preceeding transmissions. Transmissions commence with Clock Chimes and the laugh of the Kookaburra, commonly known in Australia as the "Laughing Jackass". Gongs are used as programme cues only. "Waltzing Matilda" in march tempo preceedes and concludes all News Bulletins. *Indonesian* transmissions open with "Waltzing Matilda" played on piano-accordeon with instrumental ensemble. *Siamese transmissions* open with "The Peoples Song" and conclude with Siamese National Anthem.
French Transmissions open with "Marche Lorraine" and conclude with "La Marseillaise"

Message to Listeners: "Radio Australia welcomes letters from overseas listeners, likes to know the programme that interests you, also any suggestions or comments you may care to make."

HAWAII

Normal Clock Time — G. M. T. minus 10 hours.
No Summer Time.

Address: Armed Forces Service, A. P. O. 500, San Francisco, California.

Stations: *Honolulu, KRHO, 100 kW.*

15250 kc/s	19.67 m	from 09.00-15.05
17800 kc/s	16.85 m	from 07.30-08.45 and 01.30-07.00

Daily Programmes: Relay of United Nations (U. N.), Armed Forces Radio Service (AFRS) and U. S. A.-Programmes.
From 01.30-07.00 A. F. R. S. Programme (see U.S.A.)
From 07.30-08.45 U. N. Programme to the Pacific (see U.S.A.)
From 09.00-15.05 Orient Programme (see U.S.A.)

NEW CALEDONIA

Normal Clock Time — G. M. T. plus 11 hours.

Address: Radio Noumea, Service Information, Noumea.

Stations: Radio Noumea.
FK8AA 6208 kc/s 48.32 m 0,3 kW.

Daily Programmes in French from 00.00-01.30 and 07.00-10.00.

Announcement: "La Voix de France-Radio Noumea."

NEW ZEALAND

Normal Clock Time — G. M. T. plus 12 hours.
No Summer Time.

Address: New Zealand National Broadcasting Service, 38 The Terrace, P. O. Box 3045, Wellington C. 1.

Leading Personalities: Director: James Shelley. Chief Engineer: Mr. W. L. Harrison.

Stations. Shortwave Wellington, 10 kW.

ZL1	6080 kc/s	49.34 m
ZL2	9540 kc/s	31.45 m
ZL3	11780 kc/s	25.47 m
ZL4	15280 kc/s	19.63 m
ZL5	17770 kc/s	16.88 m
ZL6	25800 kc/s	11.58 m

The National Broadcasting Service at Wellington, New Zealand is expected to commence regular transmissions during 1948. Experimental transmissions have already been carried out on two frequencies in 25 and 31 mtr. band.

PHILIPPINE ISLANDS

Normal Clock Time — G. M. T. plus 8 hours.
No Summer Time.

PHILIPPINE BROADCASTING CORPORATION

Address: Roces Building, Manila, Philippines.

Leading Personalities: General Manager: Norman Paige, Chief Engineer: Gerino Pancito, News Editor: P. J. Rappaport.

Stations: Radio Philippines, Manila.

KZPI	9500 kc/s	31.58 m	0.25 kW
KZOK	9690 kc/s	30.96 m	0.25 kW

Daily Programmes for KZPI on *Weekdays* from 21.30-16.00 except from 16.00. Saturday to 16.00 Sunday.
Programmes almost entirely in English with a very small amount of Tagalog (the Philippine National Language) and Spanish.

Daily Programmes for KZOK: Twentyfour hours daily, except 16.00 Saturday to 21.30 Sunday.
Programmes almost entirely in Philippine National language, Tagalog, with little Spanish and English.

Announcement for KZPI: "This is the Philippine Broadcasting Corporation, Radio Philippines. Your station KZPI, Manila 800 on your dial".

Message to Listeners from KZPI: "All reports of reception of KZPI short wave broadcast will be verified.

RADIO PHILIPPENES — CEBU

Address: Philippines Broadcasting Corporation, Gotiaoco Building, Comercio Street, Cebu, Philippines.

Leading Personalities: Geribo M. Pancito, Chief-Engineer.

Stations:
KZBU 6100 kc/s 49.18 m 0,25 kW
Daily Programmes from 21.30-16.00
Announcement: "Cebu Calling".

MANILA BROADCASTING COMPANY

Address: Manila Broadcasting Company Inc., 7th Floor, Insular Building, Manila.

Leading Personalities: President: Bert Silén. Chief Engineer: Jose Guevarra. Programme Director J. Arville.

Stations: Manila Luzow.
KZRH 9640 kc/s 31.12 m 1 kW

Daily Programmes from 22.00-16.00.
News at 22.15, 04.00, 04.45, 11.00, 12.30 and 14.00.

Announcement: "This is KZRH, the Voice of the Philippines".

Interval-Signal: NBC's 3 note musical chimes every 15 minutes and half hour.

Message to Listeners: "Greetings from the Philippines. Here we have the American System of broadcasting — completely free from censorship or undue regulation. Reports are answered by QSL-card."

"THE PEOPLE's STATION", MANILA

Address: Radio Station KZFM, United States Information Service, Manila.

Stations:

KZFM	11840 kc/s	25.34 m	5 kW
	9575 kc/s	31.35 m	5 kW
	6170 kc/s	48.62 m	5 kW

Daily Programmes in English from 10.00-16.00

"RADIO CEBU" — CEBU CITY

Stations: KZRC 6140 kc/s **48.86 m** **0,25 kW**

Daily Programmes in English and Spanish 10.00-16.00
English News at 12.30

Announcement: "Radio Cebu".

THE VOICE OF AMERICA

Address: United States Information Service, Manila.

Leading Personalities: Chief Engineer: John H. Fletcher.

Stations: Manila 50 kW.
11890 kc/s 25.23 m — 15330 kc/s 19.57 m

Daily Programmes from 09.00-15.05 on 25.23 m. From 07.30-08.45 on 19.57 m.
07.30-08.45 Programmes from United Nations.
09.00-15.05 Relay of U. S. A. Orient Programme.

TAHITI

Normal Clock Time — G. M. T. minus 10 hours.
No Summer Time.

Address: Radio Club Oceania, Papeete.

Stations: Radio Club Oceania.
FO8AA 6980 kc/s 42.98 m 0,1 kW

Daily Programmes from 03.15-05.00 on Tuesdays and Fridays.

SAMOA

Normal Clock Time — G. M. T. minus 11 hours.
No Summer Time.

Address: Radio Station ZM2AP, P. O. Box 26, Apia, Samoa.

Leading Personalities: Station Manager: Mr. E. E. Lloyd. Senior Technician: Mr. W. L. Workman.

Stations: ZM2AP 7700 kc/s 38.96 m 2 kW

Broadcasts 06.15-08.00 Tuesday, Thursday, Saturday, and Sunday.
The station is under the control of the New Zealand Broadcasting Service.

CANADA

Altantic Zone — G. M. T. minus 4 hours.
Summer Time — G. M. T. minus 3 hours.
Eastern Zone — G. M. T. minus 5 hours.
Summer Time — G. M. T. minus 4 hours.
Central Zone — G. M. T. minus 6 hours.
Summer Time — G. M. T. minus 5 hours.
Mountain Zone — G. M. T. minus 7 hours.
No Summer Time.
Pacific Zone — G. M. T. minus 8 hours.
Summer Time — G. M. T. minus 7 hours.

Stations: Sackville, 50 kW.

Sackwille	CHLA	21710 kc/s	13.82 m	50	kW
Sackville	CKRP	21600 kc/s	13.89 m	50	kW
Sackville	CKNC	17820 kc/s	16.84 m	50	kW
Sackville	CKCS	15320 kc/s	19.58 m	50	kW
Sackville	CKCX	15190 kc/s	19.75 m	50	kW
Sackville	CKLX	15090 kc/s	19.88 m	50	kW
Sackville	CKEX	11900 kc/s	25.21 m	50	kW
Sackville	CKRA	11760 kc/s	25.51 m	50	kW
Sackville	CHOL	11720 kc/s	25.60 m	50	kW
Sackville	CKXA	11705 kc/s	25.63 m	50	kW
Sackville	CHMD	9640 kc/s	31.12 m	50	kW
Sackville	CKLO	9630 kc/s	31.15 m	50	kW
Sackville	CHLS	9610 kc/s	31.22 m	50	kW
Sackville	CHAC	6160 kc/s	48.70 m	50	kW
Sackville	CKOB	6090 kc/s	49.26 m	50	kW
Sackville	CKRZ	6060 kc/s	49.50 m	50	kW
Montreal	CBLX	15090 kc/s	19.88 m	7,5	kW
Montreal	CBFW	6090 kc/s	49.25 m	0,2	kW
Calgary	CFVP	6030 kc/s	49.75 m	0,2	kW
Edmonton	VE9AJ	9540 kc/s	31.45 m	0,25	kW
Halifax	CHNX	6130 kc/s	48.94 m	0,5	kW
Sydney	CJCX	6010 kc/s	49.92 m	1	kW
Toronto	CFRX	6070 kc/s	49.42 m	1	kW
Vancouver	CBRX	6160 kc/s	48.70 m	0,15	kW
Vancouver	CKFX	6080 kc/s	49.32 m	0.01	kW

The Sackville frequencies listed above are those assigned to Canada by international convention.

CBC INTERNATIONAL SERVICE

Address: Canadian Broadcasting Corporation, International Service, P. O. Box 7.000, Montreal, Canada.

Cable Address: Intrad Montreal.

Leading Personalities: General Supervisor: Mr. Ira Dilworth. Asst. General Supervisor: Mr. C. R. Delafield. Supervisor European Section: Mr. G. W. Griffiths. Supervisor United Kingdom Section: Mr. J. S. Peach. Supervisor French Section: Mr. G. Arthur. Supervisor Latin America Section Senior Engineer: Mr. Roy D. Cahoon.

Note:
All international shortwave broadcasts from Canada are directed by the CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inaugurated Feb. 25, 1945.

SUMMARY OF TRANSMISSIONS:

TO EUROPE

Frequencies:
13.00-22.35 Weekdays.
14.30-22.05 Sundays.
CKNC 17820 kc/s 16.84 metres

13.00-14.12 and 16.05-22.35 Weekdays (Sat. 22.05).
16.05-22.05 Sundays.
CKCS 15.320 kc/s 19.58 metres

14.14-16.00 Weekdays.
14.30-16.00 Sundays.
CKCX 15190 kc/s 19.75 metres

Daily Programmes:
13.00-15.00 *Weekdays* - Opening, Music and Official Commentaries from the United Nations.
14.30-15.00 *Sundays* - Opening and Music.
15.00-15.30 Czech (Thursday only - German).
15.30-15.45 Swedish - Sundays.
Dutch - Mondays and Wednesdays.
German - Tuesdays and Fridays.
Czech - Thursdays and Saturdays.
15.45-17.15 English programme for listeners in the United Kingdom.
17.15-17.45 Dutch.
17.45-18.30 French.
18.30-19.00 Czech
19.00-19.20 Swedish
19.20-19.40 Norwegian

CANADA AND THE UNITED STATES OF AMERICA

EDMONTON
CALGARY
WINNIPEG
VANCOUVER
QUEBEC
MONTREAL
TORONTO
SACKVILLE
ST. JOHNS
SCHENECTADY
BOSTON
HALIFAX
CINCINNATI
WAYNE
BRENTWOOD (LONG ISLAND)
BELMONT
SAN FRANCISCO
VERA CRUZ
BELICE
TEGUCIGALPA
MANA

Liston Burns, Chef-Speaker for "The United Kingdom and Commonwealth Section". af det kanadiske Radioselskabs "International Service". Hans Stemme høres ofte af Lytterne i England, Australien og New Zealand.

Robert Bauer, Chef-Redaktør for Udsendelserne til Østrig fra U. S. A., ved Oplæsningen af Nyheder paa Tysk, som the Voice of America sender til Østrig.

Henning Sørensen, Chef-Redaktør for the International Service of the Canadian-Broadcasting Corporation.
The Voice of Canada sender hver Dag et Program beregnet specielt for danske Kortbølgelyttere.

map Canada USA Liston Burna Robert Bauer Henning Sorensen

19.40-20.00 Danish
20.00-20.30 German.
20.30-21.00 French.
21.00-22.00 English programmes for listeners in the United Kingdom.
22.00-22.15 Czech (Monday to Friday).
22.15-22.30 German (Monday to Friday).

TO THE CARIBBEAN

Frequencies from 23.20-00.20:

CKCX	15190 kc/s	19.75 metres
CHOL	11720 kc/s	25.60 metres

Daily Programmes:
23.20-00.20 English programme for listeners in the Caribbean and Latin America.

TO LATIN AMERICA

Frequencies:
00.20-02.05
CKCX 15190 kc/s 19.75 metres
00.35-02.05
CKNC 17820 kc/s 16.84 metres

Daily Programmes:
00.20-01.00 Portuguese programme for listeners in Brazil.
01.00-02.05 Spanish program for listeners in Central and South America.

TO AUSTRALIA AND NEW ZEALAND

Frequencies from 08.45-10.35:

CHOL	11720 kc/s	25.60 metres
CHLS	9610 kc/s	31.22 metres

Daily Programmes:
08.45-10.35 English program for listeners in the Southwest Pacific area.

Frequencies from 03.00-03.35 Weekdays.

CKNC	17820 kc/s	16.84 m
CKCS	15320 kc/s	19.58 m

Daily Service (except Sundays).
03.00-03.35 English Official Commentaries from the United Kingdom.
Interval-Signal: First four notes of the national anthem "O Canada":

Message to listeners: The Voice of Canada sends greetings to shortwave listeners everywhere. We welcome requests for:

Regular information about our programme;
Verification of reception reports; and
Information of all kinds about Canada.

Please write to Box 7.000, Montreal, with your queries and comments.

CANADIAN BROADCASTING CORP.

Address: Canadian Broadcasting Corporation, 1231 St. Catherine Street, West Montreal, Quebec (Eastern Zone). Canadian Broadcasting Corporation Vancouver British Columbia (Pacific Zone).

Leading Personalities: Chairman of the Board of Governors: Mr. A. D. Dunton. General Manager: Dr. Augustin Frigon. Director General of Programme: Mr. E. L. Bushnell.

Stations:

Montreal	CBFW	6090 kc/s	49.25 m	0,2 kW
Vancouver	CBRX	6160 kc/s	48.70 m	0,15 kW
Montreal	CBLX	15090 kc/s	19.88 m	7,5 kW

Daily Programmes for Montreal:
On 19.88 m *English* from 11.00-16.00; *French* 16.00-04.00.
On 49.25 m *French* from 11.00-04.00.

Daily Programmes for Vancouver from 15.00-07.00.

NEW FOUNDLAND

Normal Clock Time — G. M. T. minus 3½ hours.
Summer Time — G. M. T. minus 2½ hours.

Address: Broadcasting Corporation of New Foundland, P. O. Box E 5372. St. Johns.
Leading Personalities: Manager: Mr. W. F. Galgay. Chief Studio Controller: Mr. A. N. House.

Stations: St. Johns 0,3 kW
VONH 5970 kc/s 50.25 m Relay VONF

Daily programmes from 12.30-16.30, 20.30-02.00.

UNITED STATES OF AMERICA

Eastern Zone Normal Clock Time — G. M. T. minus 5
Summer Time — G. M. T. minus 4 hours.

Central Zone — G. M. T. minus 6 hours.
Summer Time — G. M. T. minus 5 hours.

Mountain Zone — G. M. T. minus 7 hours.
Summer Time — G. M. T. minus 6 hours.

Pacific Zone — G. M. T. minus 8 hours.
Summer Time — G. M. T. minus 7 hours.

The Voice of the United States of America is the radio medium employed to promote the better understanding of the United States among the peoples of the world and to strengthen cooperative international relations.
36 shortwave transmitters in the United States, ranging from 10.000 to 200.000 watts in power., 10 transmitters on the Pacific Coast, 26 transmitters in the Middle West and on the East Coast. Government owned and controlled shortwave relay operations at Honolulu (KRHO), Manila and Munich. Other relays through arrangements with Domestic. Broadcasting of other countries, such as Austria. B. B. C. in Great Britain, France, Germany, Italy, China and Korea. Programme schedules of *"The Voice of the U. S. A."* are prepared in New York and mailed upon request to interested groups or individuals abroad. They can also be obtained through the local U. S. Information Office of every country.
All applications for monthly programmes, for further information on current programmes, radio reception reports and comments, should be sent direct to the *"Voice of the U. S. A."*.

The International Broadcasting Division is responsible for the planning, execution and content of programmes. Programmes are written, produced and broadcast from studios in New York City. By contract the National Broadcasting Company (NBC) and the Columbia Broadcasting System (CBS) produce programmes, which are integrated with the output of the Department of State to Europe, Latin America and the Far East.

LEADING PERSONALITIES: *The International Broadcasting Division* (IBD) is a division of *the Office of Information and Educational Exchange* (OIE) of the Department of State, and is under the jurisdiction of the *Assistant Secretary of State for Public Affairs, George V. Allen.* Officials of the O. I. E. and I. B D. directly responsible for the operation are: *William T. Stone, Director of O. I. E. — Leland Barrows, Deputy Director, O. I. E.*
I. B. D. Officials are: *Charles W. Thaper, Acting Chief. — Forney A. Rankin, Associate Chief,* in charge of high

frequency conference affairs and plans. — *Musio Delgado, Acting Associate Chief,* in charge of the Washington office. — *Robert Ross, Program Branch.* — *John Doud, Chief Facilities Branch.*

Addresses of the main companies and organisations, are as follows:
The Voice of the United States of America, Office of Information and Educational Exchange International Broadcasting Division, U. S. Department of State, 224 West 57 Street, New York 19.

Washington headquarters of I. B. D. are at 18th and Pennsylvania Avenue. N. W.

United Nations Network, Radio Liaison Office, United Nations, Lake Success, New York.

The Associated Broadcasting Inc., Mark Hopkins Hotel, San Francisco.

Columbia Broadcasting System Inc., 485 Madison Avenue, New York 22.
Crosley Corporation, 149 West 9th Street, Cincinnati.
General Electric Company, 1 River Road, Schenectady, New York.
National Broadcasting Corporation Inc., 30 Rockefeller Plaza, New York 20.
Westinghouse Radio Station Inc., 275 Tremont Street, Boston 16.
The World Wide Broadcasting Foundation, 133 Commenwealth Avenue, Boston 16.
Armed Forces Radio Service, A. P. O. 500, San Francisco.

STATIONS

U. S. A.s shortwave stations are divided into two main groups: East Coast stations, whose call-letters begin with W, and West Coast stations whose call-letters begin with K. In some cases the other letters of the call-sign denote the ownership of transmitter. There are one or more frequencies for each call-sign, and each company may change the frequencies used for the different call-letters.
The U. S. government, through the Department of State, leases the transmitters from the private operators. CBS and NBC, under contract with the State Department, programmes most of the service. The State Department has retained the direct programming of the languages of Eastern Europe — and China and Korea in the Far East. (Only WRUL and WRUW, operated by the *World Wide Broadcasting Foundation,* are partially programmed independent of the government operation.

DAILY PROGRAMMES

International shortwave programs from the United States fall into three main categories: news, editorial and information which includes news analysis, editorial comment and all basically informational programs such as round table discussions, documentaries, etc., music and entertainment.

DAILY PROGRAMMES TO EUROPE

The broadcasts are divided into four networks. Below is first given a survey showing the distribution of the broadcasts into network and language, and then, in the case of each individual network, a survey of the frequencies on which the broadcasts of the respective networks can be heard and programme details of the broadcasts in question.

	Network A	Network B	Network C	Network D
15.15-15.45	Polish			
15.45-16.00	Austrian			
16.00-16.15	French		English	English
16.15-16.30	French		Czech	English
16.30-16.45	German		Hungarian	English
16.45-17.00	German		Bulgarian	English
17.00-17.15	German	Italian	Rumanian	English
17.15-17.30	German	Italian	Czech	English
17.30-17.45	French	Italian	Czech	English
17.45-18.00	French	Italian	Yugoslav	English
18.00-19.00	French	English	Russian	English
19.00-19.15	French	Italian	Bulgarian	A. F. R. S.
19.15-19.30	French	Italian	Hungarian	A. F. R. S.
19.30-19.45	Polish	Italian	Greek	A. F. R. S.
19.45-20.00	Polish	Italian	Rumanian	A. F. R. S.
20.00-20.15	German	Italian	Czech	A. F. R. S.
20.15-20.30	German	Italian	Hungarian	A. F. R. S.
20.30-20.45	Austrian	Italian	Yugoslav	A. F. R. S.
20.45-21.00	English	Italian	Yugoslav	A. F. R. S.
21.00-21.30	Russian	Italian		A. F. R. S.
21.30-21.45	English	Spanish		A. F. R. S.
21.45-22.00	English	Spanish		A. F. R. S.
22.00-22.30	French			
22.30-23.15	English			

NETWORK A:

WRUS	11790 kc/s	25.45 m	*Relay Stations:*		
WRUA	15220 kc/s	19.72 m	Munich I	11870 kc/s	25.27 m
WCBN	15270 kc/s	19.65 m	Munich II	9540 kc/s	31.45 m
WNRE	15280 kc/s	19.63 m	Munich III	6080 kc/s	49.34 m
WGEO	15330 kc/s	19.57 m	Munich IV	7250 kc/s	41.38 m
WNBI	17780 kc/s	16.87 m			
WCBX	17830 kc/s	16.83 m			
WOOW	21500 kc/s	13.95 m			
WCRC	21570 kc/s	13.91 m			
WGEA	21590 kc/s	13.90 m			
WLWL	21690 kc/s	13.83 m			

Austrian in 13-16-19 m. b. and from 20.30 also in 25 m. b.
15.45-16.00 American Opinion (IBD) in 13-16-19 m. b. (Relayed by Rot-Weiss-Rot Network in Austria)
20.30-20.45 America calling (IBD) in 13-16-19-25 m. b. (Relayed by Rot-Weiss-Rot Network in Austria) recorded by the BBC and rebroadcast thesame day at 21.00 in 456-41-31-25-16 m. b.

English (CBS) in 13-16-19-25 m. b.
20.45-21.00 Feature Programmes
21.30-22.00 Feature Programmes (Relayed by Munich in 41-31-25 m. b.)
22.30-23.00 Feature Programmes
23.00-23.15 News

French in 13-16-19 m. b. and from 22.00-22.30 also in 25 m. b.
16.00-16.30 Music (NBC)
17.30-18.00 Request Show ("A Vos Ordres") (NBC) (Relayed by Radiodifusion Francaise, Parisienne Network).
18.00-18.15 News (CBS)
18.15-19.00 Feature Programmes (CBS) Sat. Philharmonic
19.00-19.30 "Ce Soir" (IBD) (Relayed from Radiodifusion Francaise, Parisienne Network)
22.00-22.30 News, Press Commentary (NBC) (Relayed by BBC in 267-49-41-31 m. b.)

German in 13-16-19 m. b. and from 22.00-22.30 also in 25 m. b.
16.30-16.45 News (CBS)
16.45-17.00 Variety (CBS)
17.00-17.30 News, Features etc. (IBD) (Relayed by German stations: Stuttgart, Bremen, Berlin, Munich and Frankfurt
20.00-20.30 News, Press Comments and Features (NBC)

Polish
in 13-16-19 and from 19.30-20.00 also in 25 m. b.

in 13-16-19 and from 19.30-20.00 also in 25 m. b.

15.15-15.45 America calling (IBD) (Relayed by BBC in 1796-456-41-31-25 m. b.)
19.30-20.00 News and Commentary (IBD) (Relayed by Munich in 49 m. b.)

Russian in 13-16-19 and 25 m. b.
21.00-21.30 News and Music (IBD) (Relayed by Munich in 41-31-25 m. b.)

NETWORK B:

WLWK	15250 kc/s	19.67 m	*Relay Stations:*		
WLWR	15350 kc/s	19.54 m	Munich III	6080 kc/s	49.34 m
WLWO	17800 kc/s	16.85 m			
WLWS	21650 kc/s	13.86 m			

English in 13-16-19 m. b.
18.00-19.00 Programme from Network D.

Italian in 13-16-19 m. b
17.00-17.15 News (CBS) (Relayed by Munich in 49 m. b.)
17.15-18.00 Feature (CBS) (Relayed by Munich in 49 m. b.)
19.00-19.30 Programme (NBC) (Relayed by Munich in 49 m. b.)
19.30-19.45 News, Press Opinion (CBS)
19.45-20.30 Feature-Repeat of 17.15 Progr.
20.30-21.00 News and Progr. (NBC) (Relayed by Munich in 49 m. b.)
21.00-21.30 News and Progr. (IBD) Repeat of 19.00 Progr.

Spanish in 13-16-19 m. b.
21.30-21.45 News (CBS)
21.45-22.00 Feature (CBS)

NETWORK C:

WCBN	15270 kc/s	19.65 m	*Relay Stations:*		
WRUL	15290 kc/s	19.62 m	Munich I	11870 kc/s	25.27 m
WGEO	15330 kc/s	19.57 m	Munich II	9540 kc/s	31.45 m
WRUW	17755 kc/s	16.90 m	Munich III	6080 kc/s	49.34 m
WCBX	17830 kc/s	16.83 m	Munich IV	7250 kc/s	41.38 m
WCRC	21570 kc/s	13.91 m	Munich IV	15150 kc/s	19.80 m
WGEA	21590 kc/s	13.90 m			

Bulgarian in 13-16-19 m. b.
16.45-17.00 America calling (Relayed by BBC in 31 and 19 m. b. and Munich in 49-41-31-25 m. b.)
19.00-19.15 Report from America (Relayed by Munich in 25-31 m. b.)

Czech in 13-16-19 m. b.
16.15-16.30 America calling (Relayed by BBC in 41-31-25-19 m. b. and Munich in 49-41 m. b.)
17.15-17.45 Report from America (Relayed by Munich in 41-31-25 m. b.)
20.00-20.15 News and Commentary (Relayed by Munich in 49-41-31-25 m. b.)

English in 13-16-19 m. b.
16.00-16.15 News (also Network D) (Relayed by Munich in 49-41-31-25 m. b.)

Greek in 13-16-19 m. b.
19.30-19.45 America calling (Relayed by BBC in 31 and 19 m. b., Munich in 41-31-25 m. b. and local Greek Network)

Hungarian in 13-16-19 m. b.
16.30-16.45 America calling (Relayed by BBC in 41-31-25-19 m. b. and Munich 49-41-31-25 m. b.)
19.15-19.30 Report from America (Relayed by Munich in 41-31-25 m. b.)
20.15-20.30 News and Comments (Relayed by Munich in 49-41-31-25 m. b.)

Rumanian in 13-16-19 m. b.
17.00-17.15 America calling (Relayed by BBC in 31-19 m. b. and Munich in 41-31-25 m. b.)
19.45-20.00 Report from America (Relayed by Munich in 41-31-25 m. b.)

Russian in 13-16-19 m. b.
18.00-19.00 News, Features etc. (Relayed by Munich in 49-31-25-19 m. b.)

Yugoslav in 13-16-19 m. b.
17.45-18.00 America calling (Relayed by Munich in 31-25-19 m. b.)

NETWORK D:

WRCA	15150 kc/s	19.80 m	*Relay Stations:*		
WRUA	15200 kc/s	19.74 m	Munich I	11870 kc/s	25.27 m
WBOS	15210 kc/s	19.72 m	Munich II	9540 kc/s	31.45 m
WGEX	17880 kc/s	16.78 m	Munich III	6080 kc/s	49.34 m
WNRX	21730 kc/s	13.81 m	Munich IV	7250 kc/s	41.38 m

English in 13-16-19 m. b.
16.00-16.15 News (NBC). Also Network C (Relayed by Munich in 49-41 m. b.)
16.15-16.30 Feature (NBC) (Relayed by Munich in 31-25 m. b. and BBC in 267-41-31-25 m. b.)
16.30-17.00 Feature Progr. (NBC)
17.00-17.15 News and Press Opinion (CBS)
17.15-17.30 American News Letter (CBS) Mon. to Fri.
17.30-18.00 Feature Progr. (CBS) Mon. to Fri.
17.15-18.00 America's Town Meeting (CBS) Sun.
Symphony of the Air (CBS) Sat.
18.00-18.15 News and Today in the U. S. A. (NBC) exc. Sun. and Wedn. Also Network B
18.15-18.30 Feature Progr. (NBC)
18.30-19.00 Feature Progr. (NBC)
18.00-19.00 News and Music (Sun.)
News and Radio Theatre (Sat.)
19.00-22.00 A. F. R. S. Program in English

DAILY PROGRAMMMES TO ORIENT:

KWID	9570 kc/s	31.35 m	KNBX	11790 kc/s	25.45 m
KNBA	9650 kc/s	31.09 m	KGEX	11730 kc/s	25.58 m
KNBI	9750 kc/s	30.77 m	KCBR	15130 kc/s	19.83 m
Relay Stations:	KRHO	Honolulu	15250 kc/s	19.67 m	
		Manila	11840 kc/s	25.34 m	

In English from 09.00-10.30, 12.30-13.15 and 14.00-15.05
09.00 News (NBC)
09.30-10.30 Feature Progr. (NBC) exc. Sun. and Wedn.
09.30-10.30 News, Music (Sun). News, Radio Theatre (Wedn.)
12.30 Feature (NBC)
13.00 News (CBS)
14.00 Feature Progr. (CBS)
15.00 News (CBS)

Other Languages:

10.30-11.30 Chinese	13.15-13.30 Malay
11.30-12.00 Korean	13.30-13.45 Anamese
12.00-12.30 Russian	13.45-14.00 Siamese

DAILY PROGRAMMES TO LATIN AMERIKA

In Spanish from 00.00-05.00 in 13-16-19-25-31 m. b. and from 03.00 to 05.00 in 49 m. b.

WRUS	6040 kc/s	49.67 m	WNBI	17780 kc/s	16.87 m
WLWS	9700 kc/s	30.93 m	WCBX	17830 kc/s	16.83 m
WGED	9525 kc/s	31.50 m	WCRC	21570 kc/s	13.91 m
WLWR	11710 kc/s	25.62 m	WLWS	21650 kc/s	13.86 m
WRUL	11730 kc/s	25.58 m	KNBI	11770 kc/s	25.49 m
WCBN	15270 kc/s	19.65 m	KCBR	15130 kc/s	19.83 m
WCRC	15270 kc/s	19.62 m	KWID	17760 kc/s	16.89 m
WRUA	15290 kc/s	19.62 m	KGEX	17888 kc/s	16.78 m
WLWR	15330 kc/s	19.57 m	KNBA	21460 kc/s	13.98 m

00.00 News and Commentary (CBS)	01.00 News (NBC) only Sun.
00.15 Music (CBS)	01.15 Programme (NBC)
00.45 Programme (CBS)	02.00 News (CBS)
	02.15 Programme (CBS)

03.00 Feature (NBC) (Weekd.)
03.00 News and Music (NBC) (Sun.)
04.30 Music and News in English

In Portuguese from 01.00-03.00

WNRX	9670 kc/s	31.02 m	WRCA	15150 kc/s	19.80 m
WGEA	11810 kc/s	25.40 m	WCBX	17830 kc/s	16.83 m

01.00 NBC News
01.15 NBC Music and Progr.
02.00 CBS News
02.15 CBS Music
02.55 CBS News and Progr. Preview

In English Programme from 01.00-03.00

WRUS	6040 kc/s	49.67 m	WCDA	11830 kc/s	25.36 m
WRUW	9570 kc/s	31.35 m	WBOS	15210 kc/s	19.72 m
WCBN	9650 kc/s	31.09 m	WRUA	15290 kc/s	19.62 m
WLWO	11790 kc/s	25.45 m	WLWK	17800 kc/s	16.85 m
WRUL	11730 kc/s	25.58 m			

01.00 CBS Feature Programs; News and News Analysis
02.00 NBC News and Today in the U. S. A.
02.15 NBC Feature Programs
02.45 NBC Sports Page
21.45-22.00 News and Music (NBC) (Relayed by Buenos Aires Network)

MESSAGE TO LISTENERS: Reports are answered by QSL-cards with letters written if special information desired. Skeds sent on request. Return postage optional.

UNITED NATIONS

Address: United Nations Radio Division, Lake Success, New York, U. S. A.

Leading Personalites: Director of U. N. Radio Division: Mr. Peter Aylen. Deputy Director: Mr. Carlos Garcia-Palacios. Chief Communications Engineer: General Frank E. Stoner. Chief of Production: Mr. W. Gibson Parker.

Stations:

To Europe and Middle East:

9700 kc/s	30.93 m	WLWS2	from 21.30-23.00
11730 kc/s	25.58 m	WRUW	from 21.15-22.15
11770 kc/s	25.49 m	WGEO	from 20.15-23.00
15130 kc/s	19.83 m	WOOC	from 16.00-23.00
15290 kc/s	19.62 m	WRUL	from 21.15-22.15
17750 kc/s	16.90 m	WRUX	from 21.15-22.15
18160 kc/s	16.52 m	WNRI	from 16.00-22.00
21610 kc/s	13.88 m	WNRA	from 16.00-20.00
15190 kc/s	19.75 m	CKCX	from 14.30-14.55 and
17820 kc/s	16.84 m	CKNC	15.30-16.00

To Latin America:

9570 kc/s	31.35 m	WRUW	from 02.00-03.00
9670 kc/s	31.02 m	WNRX	from 23.00-24.00
11710 kc/s	25.62 m	WLWR1	from 23.00-24.00
11725 kc/s	25.59 m	WRUW	from 23.00-24.00
11730 kc/s	25.58 m	WRUL	from 02.00-03.00
15150 kc/s	19.80 m	WRCA	from 23.00-24.00
15290 kc/s	19.62 m	WRUL	from 23.00-24.00
15330 kc/s	19.57 m	WLWR2	from 23.00-24.00
17830 kc/s	16.83 m	WCBX	from 23.00-24.00

To Pacific (Orient):

9650 kc/s	31.09 m	KCBA	from 07.30-08.45
15130 kc/s	19.83 m	KNBI	from 07.30-08.45
Relay:			
15330 kc/s	19.57 m	Manila	from 07.30-08.45
17800 kc/s	16.85 m	KRHO	from 07.30-08.45

Daily Programmes:
The United Nations broadcast daily Monday through Saturday, except as noted, programmes of news, comment, interviews, and background talks, on the work of the organization and of the Specialized Agencies. The broadcasts, mostly by shortwave, are made possible through the cooperation of the U. S. Department of State, the International Service of the Canadian Broadcasting Corporation, and the World Wide Broadcasting Foundation. American listeners are sometimes able to pick up the shortwave transmissions when reception is good. Over UN facilities may be heard both the uncensored dispatches of the accredited radio correspondents from a wide variety of radio services or stations speaking in their own languages to their own people, and also the official UN broadcasts outlined above. The relays of important UN meetings set out below have been followed avidly by listeners in many of the countries most directly concerned by UN discussions, and they have also proved a great help as a "tipoff" service to press and radio monitors.

TO EUROPE:
14.30-14.45 Talks by members of delegations and accredited radio correspondents — CKNC 16.84 m CKCX 19.75 m
15.30-16.00 Russian — CKNC, 16.84 m — CKCX, 19.75 m
18.30-18.45 French — WOOC, 19.83 m — WNRI, 16.52 m — WNRA. 13.88 m (Relayed by Radiodiffusion Francaise)
18.50-18.55 Dutch — WOOC, 19.83 m — WNRI, 16.52 m — WNRA. 13.88 m (Relayed by Radio Unie)
19.30-20.00 News and Progr. in French — WOOC, 19.83 m — WNRI, 16.52 m — WNRA, 13.88 m
21.35-21.45 French Progr. — WRUL, 19.62 m — WRUW, 25.58 m — WRUX, 16.90 m
21.45-22.00 News in French — WRUL, 19.62 m — WRUW, 25.58 m — WRUX, 16.90 m
22.00-22.15 News in English — WRUL, 19.62 m — WRUW, 25.58 m — WRUX, 16.90 m

2. Relays of Meetings. Daily from 16.00 to 23.00
Many of the meetings at Lake Success are broadcast directly to Europe with a running narration in English and French. Announcement of such broadcasts is made the same day at 14.30 G. M. T. on CKNC and CKCX. Morning Meetings usually begin at 16.00 G. M. T., but exceptionally at any time after 15.00 G. M. T. Afternoon meetings usually begin at 20.00 G. M. T.

TO THE MIDDLE EAST:
14.45-14.55 Turkish — CKNC 16.84 m — CKCX 19.75 m
18.40-18.50 Newsletter in Hebrew (Fridays only) — WOOC, 19.83 m — WNRI, 16.52 m — WNRA, 13.88 m
19.10-19.20 Arabic — WOOC, 19.83 m — WNRI, 16.52 m — WNRA, 13.88 m
21.15-21.25 Arabic — WRUL 19.62 m — WRUW 25.58 m WRUX 16.90 m

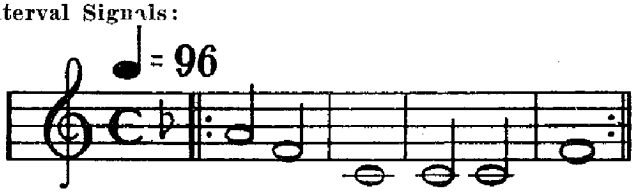
TO LATIN AMERICA
23.00-24.00 News and Progr. in Spanish: WNRX 31.02 m WLWR 25.62 m — WRWW 25.59 m — WRCA 19.80 m — WRUL 19.62 m — WLWR-2 19.57 m WCBX 16.83 m
02.00-03.00 News and Progr. in Spanish: WRUW 31.35 m WRUL 25.58 m

TO THE PACIFIC:
KNBA 31.08 m — KNBI 19.83 m — Manila 19.57 m
07.30-07.45 Tagalog (for Philippines)
07.45-07.50 News in French
07.50-08.00 News in English
08.00-08.15 Progr. English
08.15-08.45 News and talks in Chinese.

TO AUSTRALIA & NEW ZEALAND (exc. Monday):
03.10-03.30 News and actuality. CKCN 16.84 m — CKCS 19.58 m

Announcements: "This is the United Nations calling the peoples of the World." This introductory phrase is used in all of the official UN programmes in all of the languages concerned.

Interval Signals:



Message to Listeners: Comments, suggestions, and detailed reception reports are welcomed by the UN Radio Division, Lake Success, N. Y., U. S. A.; and answers will be forthcoming. Listeners can help, and have helped, UN Radio greatly by their letters, and these are solicited.

CENTRAL AMERICA

COSTA RICA

Normal Clock Time — G. M. T. minus 6 hours.
No Summer Time.

Stations:

TIGPH	5875 kc/s	51.06 m	1 kW
TIRH	6153 kc/s	48.75 m	0,25 kW
TILS	6165 kc/s	48.66 m	1 kW
TIRCC	6180 kc/s	48.54 m	0,3 kW
TIEP	6700 kc/s	44.78 m	1 kW
TIPG	9615 kc/s	31.20 m	3 kW
TIRNH	9692 kc/s	30.95 m	0,75 kW

TILS: RADIODIFUSORA PARA TI.
Address: Apartado 3, San José.

Leading Personalities: Owner and General Manager: Mr. Luis Saenz Mata.

Daily Programmes in *Spanish* from 16.00-04.30.

17.00 News	23.00 News by British Legation
17.30 Astrological Predictions	00.15 The Hour of France
19.00 For Women	02.00 News
21.00 News	02.30 "Don Fortuna"

Announcement: "TILS Radio Para Ti en San José de Costa Rica en la America Central".

TIGPH: ALMA TICA SAN JOSÉ
Address: Apartado 800, San José.

TIEP: LA VOZ DEL TROPICO San JOSÉ
Address: Apartado 257, San José.

TIPG: LA VOZ DE LA VICTOR SAN JOSÉ
Address: Apartado 225, San José.

Daily Programmes from 12.15-05.00.
Programmes consist entirely of talks, records and news.

TINRH: LA VOZ DEL COSTA RICA, HEREDIA
Address: Apartado 1064, Heredia.

CUBA

Normal Clock Time — G. M. T. minus 5 hours.
No Summer Time.

Stations:

COX-7	4290 kc/s	69.63 m	5 kW inactive
COCO	6010 kc/s	49.92 m	5 kW inactive
COCO	8700 kc/s	34.48 m	5 kW
COBF	6040 kc/s	49.67 m	1 kW
COCD	6130 kc/s	48.94 m	1 kW
COCW	6327 kc/s	47.43 m	1 kW
COHJ	6450 kc/s	46.51 m	5 kW
COJK	8725 kc/s	34.62 m	1 kW
COCQ	8825 kc/s	33.92 m	5 kW
COKG	8960 kc/s	33.48 m	0,5 kW
COBZ	9026 kc/s	33.24 m	1 kW
COBQ	9235 kc/s	32.49 m	1 kW
COCX	9273 kc/s	32.33 m	1 kW
COBC	9380 kc/s	30.92 m	1 kW
COCH	9437 kc/s	31.80 m	5 kW
COX	9640 kc/s	31.12 m	5 kW inactive
COBL	9833 kc/s	30.51 m	1 kW
COCY	11740 kc/s	25.54 m	5 kW

COCQ — CIRCUITO CMQ
Address: Circuito CMQ, S. A., Radiocentro, Havana.

Leading Personalities: Board of Directors: Goar Mestre, Angel Cambó, Abel Mestre and Luis Augusto Mestre. General Manager: Goar Mestre. Chief Engineer: Ventura Montes. Sales Manager: Arturo Chabau.

Daily Programmes in *Spanish* from 11.30-05.30.
News at 11.45, 12.30, 12.45, 16.55 (Sunday 15.55), 17.25, 22.45, 23.25, 01.53, 03.24 and 04.00.
Music at 12.10, 13.30, 14.30, 16.00, 20.30, 22.15, 23.45 and 04.30.
Soloists and Variety: Daily from 15.30-15.55 and Saturdays at 03.00.

Announcement: "CMQ Habana." Announcements are made between all programmes approximately every 15 minutes.

Interval-Signal: Two bells before saying CMQ Habana.

Message to Listeners: Reports are verified by QSL-card.

COCO — RADIO AMERICA
Address: Radio America S. A., Compania Radiodifusora, San Miguel 314, Havana.
Daily Programmes in *Spanish* from 12.00-04.30.

COCH — RADIO O'SHEA
Address: Radio O'SHEA, Havana.
Daily Programmes in *Spanish* from 11.00-06.00.

COCY/COHI — RHC CADENA AZUL
Address: RHC — Cadena Azul, Apartado 770, Havana.
Leading Personalities: President and General Manager: Mr. Amado Trinidad Velasco.
Daily Programmes in *Spanish* from 10.30-05.00.
Announcement: Call letters of the network are broadcast every half hour and the name: "RHC-Cadena Azul."
Message to Listeners: Reports verified by QSL-card.

COBF — RADIO UNIVERSAL
Address: Radio Universal S. A., Prado 159, Havana.
Daily Programmes in *Spanish* from 13.00-04.00.

COCD — LA VOZ DEL AIRE
Address: La Voz del Aire, Hotel Palace, Vedado, P. O. Box 2294, Havana.
Daily programmes in *Spanish* from 12.00-05.00.
Message to Listeners: Reports are verified by QSL-card.

CENTRAL- AND SOUTH AMERICA

Fra Radio Aconcaguas Studio i Mendoza, Argentina: To populære Kunstnere Panyra og Maria, der ofte kan høres over LRM Aconcagua.

map CentralAmerica South America Argentina LRM Aconcagua

COCW — ONDAS DEPORTIVAS
Address: Ondas Deportivas, San Miguel 314, Havana.
Daily Programmes in *Spanish* from 11.00-05.00.

COBZ — RADIO SALAS
Address: Radio Salas, San Rafael 108, Apartado 866, Havana.
Daily Programmes in *Spanish* from 11.00-05.00.
Message to Listeners: Reports are verified by QSL-card.

COBC — RADIO PROGRESSO
Address: Radio Progresso, San José 104, Havana.
Daily programmes in *Spanish* from 12.00-05.00.
Message to Listeners: Reports are verified by letter.

COBL — RADIO CADENA SUARITOS
Address: Radio Cadena Suaritos, 25 num. 1113, Havana.
Daily Programmes in *Spanish* from 12.15-05.45.

COCX — RADIO MIL DIEZ
Address: Radio Mil Diez, Reina 314, Havana.
Leading Personalities: Director: Mr. Ibrahim Urbino. Administrator: Mr. Jaime Gonzales.
Daily Programmes in *Spanish* from 12.30-05.30.

COBQ — LA VOZ DE CUBA
Address: La Voz de Cuba, Compania Radiodifusora de Publicidad, Vista Alegre 269, Havana.
Daily Programmes in *Spanish* from 13.00-17.00 and 22.30-04.30.

COJK — LA VOZ DE EL CAMAGUEYANO CAMAGUEY
Address: Camaguey, Finlay 4, Havana.

COKG — CADENA ORIENTAL DE RADIO
Address: Apartado 82, Santiago de Cuba.
Daily Programmes in *Spanish* from 11.00-05.00.
Message to Listeners: Reports are verified by letter.

CURACAO

Normal Clock Time — G. M. T. minus 4½ hours.

Address: "Curom", Princes Juliana Zender, Curacaosche Radio Vereeniging, P. O. Box 31, Willemstad, Curacao.

Leading Personalities: President: Mr. F. Visser. Manager: Mr. W. P. G. Stokla.

Stations: Willemstad PJC2 7250 kc/s 41.38 m 3 kW

Daily Programmes in *Dutch:*
Weekdays from 16.30-17.30 and 23.00-02.30 (Sat. 23.00-00.30)
Sundays from 13.30-17.30 and 23.00-02.30

Announcement: "Hier is de "Curom", de Princes Juliana Zender te Willemstad op Curacao Nederlandsch West Indie".

Message to Listeners: Reports are verified by QSL-card.

REP. DOMINICANA

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

HI-2T	5970 kc/s	50.26 m	0,5 kW
HI-1J	6025 kc/s	49.79 m	0,1 kW
HI-1X	6078 kc/s	49.33 m	1 kW
HI-3X	6080 kc/s	49.34 m	0,1 kW
HI-1G	6147 kc/s	48.80 m	0,1 kW
HI-1R	6140 kc/s	48.86 m	0,2 kW
HI-9T	6175 kc/s	48.58 m	0,1 kW
HI-1A	6196 kc/s	48.42 m	0,075 kW
HIL	6187 kc/s	48.48 m	0,060 kW
HI-1N	6246 kc/s	48.04 m	0,7 kW
HI-1Z	6312 kc/s	47.52 m	0,2 kW
HI-9B	6383 kc/s	47.00 m	0,2 kW
HI-1R	6432 kc/s	46.65 m	0,2 kW
HIT	6630 kc/s	45.25 m	0,1 kW
HI-3C	6730 kc/s	44.60 m	0,03 kW
HI-9U	7205 kc/s	41.64 m	0,1 kW
HI-2A	6785 kc/s	44.21 m	0,25 kW
HI-8Z	7165 kc/s	41.88 m	0,2 kW
HI-2T	7275 kc/s	41.21 m	7,5 kW
HI-2G	9225 kc/s	32.54 m	0,1 kW
HI-2T	9735 kc/s	30.83 m	0,5 kW
HI-2T	11900 kc/s	25.21 m	7,5 kW

HI1Z — BROADCASTING NATIONAL "LA VOZ DE LOS MUCHAHOS"
Address: Broadcasting Nacional Apartado 1092, Ciudad Trujillo.
Daily Programmes in *Spanish* from 21.00-04.00. Saturday to 05.00
Announcement: "Broadcasting Nacional HIZ y HI1Z en Ciudad Trujillo capital de la Republica Dominicana una nacions unidas." Frequent reference is made to the "Naciones Unidas".

HI1X — RADIODIFUSORA OFFICIAL "LA VOZ DE LA REP. DOMINICANA"
Address: Radiodifusora Official, Direccion General de Communicaciones, Ciudad Trujillo.
Daily Programmes in *Spanish* 17.00-19.00, 23.30-02.30.

HI1N — LA VOZ DEL PARTIDO DOMINICANA
Address: La Voz del Partido Dominicana, Ciudad Trujillo.
Daily Programmes in *Spanish* from 21.00-03.00.

HI1G-, HI2G — RADIO LA OPINION
Address: Santiago Rodriguez 12, C. Trujillo.
Daily Programmes in *Spanish* from 10.30-13.30, 16.00-19.20 (on 32 m only), 22.10-23.50 and 00.30-03.30.

HI1R — LA VOZ DE FUNDACION, SAN CHRISTOBAL
Address: Calle Constitution, S. Christobal.
Daily Programmes in *Spanish* from 16.30-21.00.
Announcement: "Broadcasting Nacional HI1R — La VoZ de Fundacion en San Christobal."

HI9T-, HI9U — BROADCASTING TROPICAL, PUERTO PLATA
Owner: Mr. Louis A. Pelegrin.
Daily Programmes in *Spanish* from 21.40-01.00.

HI1A — LA VOZ DEL YAQUE, SANTIAGO
Address: Apartado 423, Santiago de los Cabelleros.
Daily Programmes in *Spanish* from 13.00-16.00, 21.00-01.00.

HIL — JOAQUIN C. PELLICER, CIUDAD TRUJILLO
Address: Apartado 623, C. Trujillo.
Daily Programmes in *Spanish* from 21.00-02.00.

HI9B — BROADCASTING HOTEL MERCEDES, CIUDAD TRUJILLO
Daily Programmes in *Spanish* from 22.00-01.30.

HI2T — LA VOZ DEL YUNA, CIUDAD TRUJILLO
Daily Programmes in *Spanish* from 14.00-05.00.
Message to Listeners: Reports are verified by QSL-card.

HIT — EL HIT DEL AIRE
Address: Apartado 1105, C. Trujillo.
Daily Programmes in *Spanish* from 13.00-15.00, 17.10-18.40 and 21.40-01.40.

HI1Z LA VOZ DE LA PROFECIA
Address: Apartado 568 Ciudad Trujillo.
Daily Programmes in *Spanish* from 00.15-00.45.

HI3C — RADIO DIFUSORA ROMANA
Address: Antonio Herrero, Bella Vista 49, La Romana.

GUADELOUPE (French West Indies)

Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.

Address: Chef Service Information, Directeur de la Radio, Palais d'Orleans, Basse-Terre, Guadeloupe.

Leading Personalities: Mr. L. Barrat.

Stations: Radio Guadeloupe.

FG8HA	7447 kc/s	40.29 m	0.14 kW

Daily Programmes in *French* from 16.30-17.30 and 23.00-00.30. News at 17.00 and 23.45. Music at 16.45, 23.00 and 24.00.

Announcement: "Ici Radio Guadeloupe Poste Nationale Français".

GUATEMALA

Normal Clock Time — G. M. T. minus 6 hours.
No Summer Time.

Stations:

TGLA	6295 kc/s	47.66 m	0,2 kW
TGQA	6401 kc/s	46.85 m	0,3 kW
TGWB	6440 kc/s	46.50 m	1 kW
TGOA	6497 kc/s	46.19 m	0,2 kW
TG2	6620 kc/s	45.32 m	0,3 kW
TGWA	9760 kc/s	30.74 m	10 kW
TGWA	15170 kc/s	19.78 m	10 kW

TGWA and TGWB — RADIO NACIONAL
Address: Radio Nacional, La Voz de Guatemala, Ciudad de Guatemala.

Leading Personalities: Director: Mr. Miguel A. Sanoval. Secretary: Mr. Lionel Forno H. Director of Programmes: Mr. José Flamenco y Cotero. Chief of Productions: Mr. Salvador Falla Cofino. Chief Engineer: Mr. Benjamin Herrarte Lopez.

Daily Programmes from **TGWA** (Commercial programmes) in *Spanish* from 12.25 (Sun. 13.55)-20.00 and 22.55-05.00.
On 19.78 m from 12.25-20.00. On 30.74 m from 22.55-05.00.

Weekdays:

13.00 News	23.20 English
13.15 Music	00.40 News
13.55 News	01.00 Music
14.00 Symphony Concert	02.00 The World goes on
15.45 News	03.30 Music
19.00 News	04.00 Music
23.00 News from U. N.	04.55 Transm. from N.B.C.
23.30 Music	

Sundays:

16.00 Music	01.15 Religious Service
16.30 Symphony Concert	01.30 Music
18.00 Music	04.00 Programme from NBC
23.00 Music	04.15 Music

Daily Programmes from **TGWB** (Cultural programmes) in *Spanish* from 12.30-20.00 and 22.55 (Sun. 23.55)-04.30.

18.00 Music	02.30 Music
23.00 Music	03.00 Orchestra and Soloist (Mond. Wedn. Thurs. Fri.)
00.15 Commentary	
01.00 Music	
01.30 From University	03.30 News
02.00 Music	03.45 Music

Highlights of Programmes:
Symphony Concert: Thursdays from 03.00-03.30 (TGWA)
Opera: Monday from 02.15-04.00 (TGWB)
Theatre: Friday from 03.00-03.30 (TGWA)

Announcement:
TGWA: "Estacion Comercial de "La Voz de Guatemala" en Centro America."
TGWB: "Estacion Culturau de "La Voz de Guatemala" en Centro America."
Gives call every 15 minutes with frequent mention of Guatemala.
Message to Listeners: Reports are verified by QSL-card.

Station: TGLA — La Voz del Pacifico, Ciudad Retalhulen.
Daily Programmes from 22.30-23.30 and 00.30-04.00

Station: TGOA - La Voz de los America, Ciudad de Guatemala.
Daily Programmes from 00.00-03.00

Station: TGQA - La Voz de Quezaltemango, Ciudad de Guatemala.
Daily Programmes from 01.00-04.30

Station: TG2 - Radio Morse, Ciudad de Guatemala.
Daily Programmes from 23.00-04.00

HAITI

Normal Clock Time — G. M. T. minus 5 hours.
No Summer Time.

Stations:

HHCA	4665 kc/s	64.52 m	0,2 kW
HHCN	5660 kc/s	53.00 m	0,2 kW
HH2S	5948 kc/s	50.44 m	0,3 kW
HHYM	6000 kc/s	50.00 m	
HHCM	6165 kc/s	48.66 m	0,1 kW
HHBM	9660 kc/s	31.06 m	1 kW
HH3W	10130 kc/s	29.60 m	0,5 kW

HHBM-HHCM-MAGLOIRE BROADCASTING CIRCUIT, M. B. C.
Address: P. O. Box 118, 36 Rue Americaine, Port-au-Prince.

Leading Personalities: Mr. Camille Thomas and Mr. Morissean-Leroy.

Daily Programmes in *French* from 11.00-13.30 on 9.660 kc/s and 23.00-03.00 on 6.165 kc/s; Weekdays also 15.00-19.30.

Announcement: Every half hour: "Vous ecoutéz la MBC, a Port-au-Prince, Capitale de la Republique d'Haiti. La MBC travaille en ce moment avec la HHBM, 31 m, la HHCM 48 m et la HHGM 208.66 m. La MBC est affilié a la NBC de New York"

Interval-Signal: Every half hour: Five chimes.

Message to Listeners: Reports are verified by letter. Return postage not necessary.

HH3W — BROADCASTING CIRCUIT HHW
Address: Post Office, Box A 117, Port-au-Prince.
Daily Programmes in *French* from 11.30-13.30, 17.00-20.00 and 23.00-03.00 (Sundays 15.00-20.00).

HH2S — SOCIETE HAITIENNE DE RADIODIFUSSION
Address: Rue Pavée, Port au Prince.
Leading Personalities: President: Mr. A. Mallebanche. Administrator: F. Appolon. Programme-Director: E. Gentel.
Daily Programmes in *French* from 11.30-13.30, 17.00-19.00 and 22.30-03.40 (Sundays 01.00).

HHCN — RADIO STATION HHCN
Address: Radio Station HHCN, Avenue Christophe No. 55, Port-au-Prince.

Leading Personalities: Manager: Mr. Carl Etienne.
Daily Programmes in *French: Weekdays:* 14.30-16.30 and 22.30-02.30. *Sundays:* 14.00-16.00.
News at 15.30 and 02.00.
Announcement in French, English and Creole.

HHYM — RADIO PHILIPS PORT-AU-PRINCE
Daily Programmes in *French* from 17.00-19.00 and 23.30-02.00.

REP. HONDURAS

Normal Clock Time — G. M. T. minus 6 hours.
No Summer Time.

La Voz de Honduras, Tegucigalpa.
Station: HRN 5877 kc/s 51.05 m 0,75 kW
Daily Programmes in *Spanish* from 14.00-16.00, 19.00-21.00 and 24.00-05.00.

La Voz de Lempira, Tegucigalpa.
Station: HRA 6000 kc/s 49 m 0,5 kW
Daily Programmes in *Spanish* from 10.00-16.00.

La Voz de Atlantida, La Ceiba.
Address: Avenida 14 de Julio, La Ceiba.
Station: HRD2 6235 kc/s 48.12 m 0,2 kW
Daily Programmes in *Spanish* from 18.00-20.00 and 01.00-05.00.

BRITISH HONDURAS

Normal Clock Time — G. M. T. minus 6 hours.
No Summer Time.

Address: Gouvernment Radio Station c/o Colonial Postmaster, Belize, British Honduras.

Stations: ZIK2 10600 kc/s 28.30 m 0,2 kW.

Daily Programmes in *English* from 15.00-17.45.

JAMAICA (British West Indies)

Normal Clock Time — G. M. T. minus 5 hours.
No Summer Time.
Address: The Government Broadcasting Station, 2 Seaview Avenue, Half Way Tree, Kingston.

Stations: Kingston ZQI
4950 kc/s 60.60 m 1.2 kW
3480 kc/s 86.21 m 1.2 kW

Daily Programmes in *English* from 21.00-22.30 on 60 m and 00.30-03.00 on 86 m.

Announcement: Identification in English is given at 15 minutes interval. All transmissions are opened with the chorus from Elgar's "Land of Hope and Glory". Close down with: "God save the King".

MARTINIQUE (French West Indies)

Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.

Address: La Directeur du Service d'Information, Fort-de-France.

Leading Personalities: Director: Mr. R. Hennebault.

Stations: Radio Martinique.
FNRI 9700 kc/s 30.93 m 1,5 kW

Daily Programmes from 10.30-11.30 (Sunday 10.30-12.00), 16.15-18.00, 22.30-01.30 (Saturday 22.30-02.00, Sunday 22.00-01.30).

In *French:* 11.00 News — 11.25 News — 16.30 Music — 17.00 News — 17.15 Music — 22.30 Music — 22.50 Topicals — 23.15 Music — 23.45 Paris Press Review — 00.45 News, Music.

Highlights of Programme:
French West Indian Folklore: 00.15 Fridays.
Martinique Press Review: 23.00 Tuesdays.

Announcement: "Ici Radio Martinique poste National Français" or "Ici Radio Martinique — La Voix de la France aux Antilles". This text is repeated every 15 minutes.

Interval-Signal: The first six notes of "Sous les Ponts de Paris" played on Xylophone. Open with "La Marseillaise" and "March Lorraine" and close down with "La Marseillaise". Between programmes: Xylophone.

Message to Listeners: Reports are verifered by QSL-card. Return postage to be enclosed."

MEXICO

Normal Clock Time (Central Standard Time) — G. M. T. minus 6 hours.
No Summer Time.
STATIONS:
Commercial Stations:

XEOI	6010 kc/s	49.92 m	2,5 kW
XEKW	6020 kc/s	49.83 m	0,25 kW
XEUQ	6030 kc/s	49.75 m	0,5 kW
XETW	6045 kc/s	49.63 m	0,1 kW
XEUZ	6130 kc/s	48.94 m	0,1 kW
XEDP	6140 kc/s	48.86 m	0,1 kW
XECC/-XECD	6185 kc/s	48.50 m	0,05 kW
XEWW	9500 kc/s	31.58 m	25 kW
XEWW	15160 kc/s	19.79 m	25 kW
XEFT	9545 kc/s	31.43 m	0,25 kW
XETT	9555 kc/s	31.40 m	0,5 kW
XERQ	9610 kc/s	31.22 m	0,5 kW
XEBT	9625 kc/s	31.17 m	10 kW
XEQQ	9680 kc/s	30.99 m	1 kW
XENN	11780 kc/s	25.46 m	1 kW
XEBR	11820 kc/s	25.38 m	0,15 kW
XEHH	11880 kc/s	25.25 m	0,25 kW

Cultural Stations:

XEJG	4820 kc/s	62.24 m	0,2 kW
XEXA	6175 kc/s	48.58 m	0.1 kW
XEYU	9600 kc/s	31.25 m	0,25 kW

XEWW — LA VOZ DE LA AMERICA LATINA DESDE MEXICO
Address: Cadena Radiodifusora Mexicana S. A., Calle Ayuntamiento Nr. 54, Mexico D. F.

Leading Personalities: Chairman: Mr. Emilio Azcarraga. General Manager: Mr. Othón M. Velez. Chief Engineer: Mr. Jose R. del Herran.

Daily Programmes in *Spanish:*
On 31.58 m from 12.55-06.00
On 19.79 m: Used only occasionally for special transmissions.
News at 14.00, 20.35, 01.00, 04.45 and 06.00.

Announcement: Call given every quarter hour "XEW y XEWW Ciudad de Mexico" preceeded by four descending chimes.

Interval-Signal: Chimes.

Message to Listeners: Reports are verified by QSL-card.

XEBT — LAS EMISORAS DE AMERICA
Address: Estaciones Radiodifusoras Comerciales XEB and XEBT, Calle Buen Tono Nr. 6, Mexico D. F.

Leading Personalities: General Manager: Engineer Andre T. Duprat. Chief Engineer: Engineer Juan C. Buchanan. Artistic Director: Sr. Julian Moran.

Daily Programmes in *Spanish* from 14.20-06.00
News at 15.30, 21.00, 01.30 and 06.15 in *Spanish*

News in *English* from 03.30-03.45
Music: 23.00-24.00 and *Cabaret* 04.30-06.15

Announcement: In *Spanish:* "Las Emisoras de America desde la Capital de la Republica Mexicane" or "Estas son XEB y XEBT Las Emisoras de America". In *English:* "You have listened to XEB mediumwave and XEBT shortwave".

Interval-Signal: Melody: "Liszt's Liebestraum". Every quarter of the hour one cuckoo signal; three cuckoo signals after each programme and every half hour.

Message to Listeners: Reports answered by QSL-card.

XEOI — RADIO MIL
Address: Radio Mil, Fomento de Radio S. A., Donato Guerra No. 26, Mexico City.
Daily Programmes in *Spanish* from 14.00-06.00.

XEQQ — RADIO PANAMERICANA
Address: Radio Panamericana XEQQ, José Maria Marroqui No. 11, Mexico D. F.

XEFT — LA VOZ DE VERA CRUZ
Address: Independencia No. 74, Vera Cruz.
Daily Programmes in *Spanish* from 15.00-05.25.

XEHH — SAL DE UVAS PICOT
Address: Zempola No. 77, Mexico D. F.

XEKW — EL ECO DE MICHOACAN
Address: Aldama No. 154, Morelia.
Daily Programmes in *Spanish* from 12.00-17.00, 21.00-04.00.

XERQ — RADIO CONTINENTAL, CORPORATION MEXICANA DE RADIO S. S.
Address: Cordoba No. 48, Mexico D. F.
Daily Programmes in *Spanish* from 04.00-07.00.

XETT — LA HORA EXACTA
Address: Lopez No. 8, Mexico D. F.
Daily Programmes in *Spanish* from 12.00-06.00.

XETW — LA VOZ DE TAMPICO
Address: Madero No. 10, Tampico.
Leading Personalities: General Managers: Mr. Flores and Mr. Martinez.
Daily Programmes in *Spanish* from 13.00-04.00 (Sun. 05.00).
Announcement: "XEFW y XETW La Voz de Tampico".
Interval-Signal: Chimes.
Message to Listeners: Reports are verified by letter.

XEUQ — EL ECO DE SOTAVENTO DESDE VERA CRUZ
Address: Independencia No. 230, Vera Cruz.
Daily Programmes in *Spanish* from 12.00-06.00.

XEUZ — CADENA RADIO NACIONAL "PRI"
Address: Paseo de la Reforma No. 18, Mexico D. F.
Daily Programmes in *Spanish* from 20.00-05.20.

XEJG — GOBIERNO DEL ESTADO DE JALISCO
Address: Palicio de Gobierno, Guadalajara.
Daily Programmes in *Spanish* from 03.50-05.00.

XEXA — RADIO GOBERNACION, MEXICO D. F.
Address: Calle de Bucareli, Mexico City.
Daily Programmes in *Spanish* from 01.00-06.00 and 13.00-20.00.

XEYU — UNIVERSIDAD NACIONAL DE MEXICO
Address: Calle de Justo Sierra, Mexico D. F.

XENN — RADIO MUNDIAL
Address: Venustiano Carranza 30, Mexico D. F.

XCDP — RADIO EDUCACION MEXICO CITY

REP. NICARAGUA

Normal Clock Time — G. M. T. minus 6 hours.
No Summer Time.

Stations:

YNBH	6550 kc/s	45.80 m	0,1 kW
YNMA	6715 kc/s	44.68 m	0,1 kW
YNVP	6760 kc/s	44.38 m	1.0 kW
YNQ	6910 kc/s	43.41 m	0,15 kW
YNOW	6835 kc/s	43.94 m	0,25 kW
YNET	7103 kc/s	42.24 m	0,1 kW
YNAO	7412 kc/s	40.46 m	0,1 kW
YNFT	7502 kc/s	39.99 m	0,1 kW
YNLAT	7615 kc/s	39.53 m	0,2 kW
YNDG	7660 kc/s	39.17 m	0,1 kW
YNS	8010 kc/s	37.45 m	0,1 kW
YNWW	8150 kc/s	36.80 m	0,5 kW
YNXW	8190 kc/s	36.61 m	0,1 kW

YNVP — LA VOZ DE NICARAGUA
Address: Radiodifusora YNVP "La Voz de Nicaragua", Managua. D. N.

Leading Personalities: Director-General: Dr. Velazquez Prieto. Engineers: Mr. Moises C. Lefranc and Mr. Guillermo Borge C.

Daily Programmes in *Spanish:* 12.00-15.00, 17.00-20.00 and 22.00-04.00.
Light Music: Daily at 22.00.
Variety: Daily at 01.00.
Classical Music: Sunday at 13.00.

Announcement: "Esta es "La Voz de Nicaragua" emisora afiliada a la Cadena Panamerican de la NBC, en Managua".

Interval-Signal: Every quarter of an hour the notes G-C-E-G.

Message to Listeners: "We fight for a better world in which you find peace, justice and freedom. That God will protect humanity and develop the goodness in the souls of human beings. — From this little country "La Voz de Nicaragua" speaks to all people on the earth to create a better understanding between people." Reports are verified by letter."

YNWW — RADIO SPORT, GRANADA
Daily Programmes in *Spanish* from 13.00-15.00, 18.00-21.00 and 23.00-04.00.

YNBH — RADIO PANAMERICANA, MANAGUA

Leading Personalities: Director General: Mr. Luis Felipe Hidalgo. Programme Directors: Mr. Sidar Cisheros and Raul Fonseca Saballes.

Daily Programmes in *Spanish* from 13.00-04.00.

Announcement: Aqui YNBH, Radio Panamericana en Managua, Nicaragua, Centro America.

Interval-Signal: Three strokes on Xylophone.

Message to Listeners: Reports are verified by letter.

YNOW
LA VOZ DE LA AMERICA CENTRAL, MANAGUA
Address: La Calle Noreste No. 607.
Daily Programmes in *Spanish* from 13.00-16.00, 17.00-20.00 and 21.00-05.00.

YNFT — LA VOZ DE LA SULTANA, GRANADA
Daily Programmes in *Spanish* from 22.00-02.00

YNLAT — LA VOZ DEL MOMBACHO, GRANADA
Daily Programmes in *Spanish* from 22.00-03.15.

YNQ — LA VOZ DE LA VICTORIA
Address: Apartado No. 3-3-8.
Daily Programmes in *Spanish* from18.00-04.00.

YNET — EMISORA DEL PUEBLO RADIO MASSAYA, MASSAYA
Daily Programmes in *Spanish* from 22.00-03.00.

REP. PANAMA

Normal Clock Time — G. M. T. minus 5 hours.
No Summer Time.

Stations:

HP5K	6005 kc/s	49.96 m	0,8 kW
HP5B	6030 kc/s	49.75 m	0,8 kW
HP5H	6122 kc/s	49.00 m	0,5 kW
HOB	6175 kc/s	48.58 m	1 kW
HOLA	9505 kc/s	31.56 m	1 kW
HP5J	9690 kc/s	31.23 m	0,5 kW
HOXC	9660 kc/s	31.06 m	7,5 kW
HP5A	11700 kc/s	25.64 m	2 kW
HP5G	11780 kc/s	25.47 m	0,8 kW

HP5G-HOB — RADIO PANAMERICANA
Address: Apartado 1121, Ciudad Panama.
Leading Personalities: President: Mr. Gilberto Arias. Director: Azul de la Lastra.

Daily Programmes in *English* and *Spanish* from 11.00-04.00.

HP5J — LA VOZ DE PANAMA

Address: La Voz de Panama, Servicio Publico de Radio, Box 34, Panama City.

Leading Personalities: Owner and General Manager: Mr. Manuel Diaz. *Spanish Programmes:* Mr. George Acerra. *English Programmes:* Mr. George Williams and Mr. Jack Allyn

Daily Programmes in *English* and *Spanish* from 11.00-04.00.
News and Commentary: 17.30-18.00 and 23.00-23.30.
After the news are given the times for musical and serial programmes.

Announcement: In *English:* Your pioneer station "The Voice of Panama" HP5J and HP6J, 31 and 220 metres simultaneously transmitting from the City of Panama. Rep of Panama.

Message to Listeners: "We have a vast short wave listener audience. We welcome all reports from DX-Fans, which will all be verified."

HP5K — LA VOZ DE LA VICTOR

Address: Apartado 33, Colon.

Leading Personalities: Owner and General Manager: Mr. Jose Jaen y Jaen.

Daily Programmes, in *English* and *Spanish* from 12.30-20.00 and 21.00-04.00.

Announcement: In *English:* "These are stations HOK, HP5K and HON of the Panama Broadcasting System, operating in the City of Colon, Republic of Panama." In *Spanish:* "Estas son las emisoras HOK, HP5K y HON de la Cadena Panamena de Radiodifusion en la Ciudad de Colon, Republica de Panama."

HP-5H LA VOZ DEL PUEBLO

Address: Apartado 1045, Panama City.

Daily Programmes in *English* and *Spanish* from 12.00-04.00.

HOLA — RADIO ATLANTICO

Address: Apartado 444, Colon.

Daily Programmes in *English* and *Spanish* from 12.00-04.15.

HP-5A CADENA PANAMENA DE RADIODIFUSION, PANAMA CITY

Address: Apartado 954, Panama City.

Daily Programmes in *English* and *Spanish* from 12.00-04.00.

HP-5B — RADIO MIRAMAR
Address: Apartado 910, Panama City.

Daily Programmes in *English* and *Spanish* from 12.00-03.30.

REP. EL SALVADOR

Normal Clock Time — G. M. T. minus 6 hours.
No Summer Time.

Stations:

HUB	4780 kc/s	62.76 m	0,3 kW
YSCP	5200 kc/s	57.70 m	1 kW
YSWW	6000 kc/s	50.00 m	1 kW
YSHQ	6175 kc/s	48.58 m	1 kW
YSPB	6150 kc/s	48.78 m	0,35 kW
YSUA	6250 kc/s	48.00 m	1 kW
YSR	6265 kc/s	47.88 m	1 kW
YSI	7040 kc/s	42.61 m	0,1 kW
YSN	7312 kc/s	41.03 m	1 kW
YSF	9250 kc/s	32.43 m	1 kW

HUB — DIFUSORAS NACIONALES — ALMA CUSCATLECA

Address: Difusoras Nacionales YSS, Alma Cuscatleca y HUB de la Direccion General de Comunicaciones electricas, San Salvador.

Leading Personalities: Manager: Mr. Francisco José Alvarado. Chief Engineer: Mr. José Enrique Nunez.

Daily Programmes (Cultural programmes) in *Spanish* from 18.00-19.00 and 00.00-04.00.

YSWW — La RADIO DEL PUEBLO

Address: La Radio Del Pueblo Santaneco, Ciudad de Santa Ana.

Daily Programmes in *Spanish* from 13.00-14.00, 18.00-20.00 and 00.30-04.00.

YSUA — RADIO MIL CINCUENTA

Address: La Avenida Sur No. 50, S. Salvador.
Daily Programmes in *Spanish* from 18.00-21.00 and 23.00-05.00

YSR —LA VOZ DE EL SALVADOR

Address: La Voz de El Salvador, San Salvador.

Daily Programmes in *Spanish* from 17.00-05.00.

YSN — LA VOZ DE LA DEMOCRACIA
Address: La Voz de la Democracia, Apartado 4-8-4, San Salvador.

Daily Programmes in *Spanish* from 17.00-04.00.

Message to Listeners: Reports answered by QSL-cards.

YSF — RADIO VANGUARDIA

Address: Radio Vanguardia, San Salvador.
Daily Programmes in *Spanish* from 13.00-15.00, 18.00-20.00 and 00.00-04.00.

YSHQ — SAN SALVADOR

Daily Programmes in *Spanish* from 16.00-04.00.

YSCP — SAN SALVADOR

Daily Programmes in *Spanish* from 01.00-02.00.

TRINIDAD

Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.

Address: Trinidad Broadcasting Co., Ltd., Broadcasting House, Port of Spain, Trinidad.

Leading Personalities: General Manager: W. A. MacLurg. Chief Engineer: A. Cross. Studio Manager: Gerard de Freitas. Announcer: S. Ghany.

Stations:

VP4RD	9625 kc/s	31.17 m	0,5 kW
	6085 kc/s	49.30 m	0,5 kW

Daily Programmes on *Weekdays* from 11.00-13.00, 16.00-18.00 and 20.00-03.00.

Sunday: 11.00-16.00 and 20.00-03.00.
News from BBC at 11.00, 16.00, 20.00 and 01.00.
Local News at 12.00 and 22.55. *Programme Preview* at 20.10.
Radio Newsreel at 17.00.

Announcement: This is Radio Trinidad.

Interval-Signal: Harp Music.

Message to Listeners: Reports are verified by QSL-card.

SOUTH AMERICA

ARGENTINA

Present Clock Time — G. M. T. plus 3 hours.
No Summer Time.

Argentina has a total of 53 commercial broadcasting stations of which 14 pertain to the Buenos Aires city district. In addition there is the official government station, LRA—LRA1 Radio del Estado, which does not accept advertisements. Of the 14 stations in Buenos Aires, the foremost are Radio El Mundo, Radio Belgrano and Radio Splendid (Rades). These three stations have their networks and this ensure coverage across the Republic. Network broadcasting in Argentine is conducted by use of the shortwaves; the affiliated stations in the interior pick up and rebroadcast the Buenos Aires originating stations shortwave signals. Broadcast advertising is carried out by means of half-hour or fifteen minutes feature programmes. There are restrictions against foreign language broadcasts, transcribed programmes and any type of programme which stresses any form of nationalism other than the Argentine.

Stations:

LRS-1	5985 kc/s	50.13 m	5 kW
LRY-1	6090 kc/s	49.26 m	5 kW
LRX-1	6120 kc/s	49.02 m	10 kW
LRR	6145 kc/s	48.82 m	10 kW
LRM	6180 kc/s	48.54 m	10 kW
LRS	9320 kc/s	32.21 m	10 kW
LRY	9545 kc/s	31.44 m	5 kW
LRX	9660 kc/s	31.06 m	7 kW
LRA-1	9690 kc/s	30.96 m	10 kW*)
LRS-2	11840 kc/s	25.34 m	5 kW
LRR	11880 kc/s	25.25 m	10 kW
LPS-6	14850 kc/s	20.20 m	5 kW
LRU	15280 kc/s	19.62 m	6 kW
LRA5	17720 kc/s	16.93 m	10 kW
LRA5	17830 kc/s	16.83 m	10 kW

*) To be increased to 100 kW

LRA1 — RADIO DEL ESTADO

Address: LRA Radio del Estado, Palacio de Correos y Telecommunicaciones, Buenos Aires.

Leading Personalities: General Manager for Telecommunication: Don Oscar M. L. Nicolini. Joint General Manager: Don Pedro Gagliardo. Director for Broadcasting: Don Humberto A. Rusi.

Daily Programmes: LRA1 from 13.00-03.00.

21.00-21.30 (only Fridays).

11.45 Political Bulletin (exc. Sun.)	18.00 Opera Music
	22.00 Music
13.30 News	23.30 News
15.00 Classical Music	00.00 Classical Music
1630 News (exc. Sun.)	01.00 News (exc. Sun.)
17.00 Music	01.30-03.00 Classical Music

Highlights of Programmes:

Sundays	15.00 Symphony-Concert
Sundays	23.00 Symphony-Concert
Wednesdays	00.00 Symphony-Concert
Fridays	00.00 Symphony-Concert

Announcement: "LRA y LRA1 Radio del Estado de Buenos Aires."

Interval-Signal: "Marcha patriotica" is played at opening and closing down.

RADIO EL MUNDO

Address: Radio El Mundo, 555 Calle Maipu, Buenos Aires.

Leading Personalities: President for Editorial Haynes Lda. (Owner): Sr. Harry Wesley Smith. Director for Radio El Mundo: Sr. Oscar Luis Massa. Administrator of Radio El Mundo: Sr. Juan A. Fernandez.

Stations:

LRX 1	6120 kc/s	49.02 m	10 kW
LRX	9660 kc/s	31.06 m	7 kW
LRU	15290 kc/s	19.62 m	6 kW

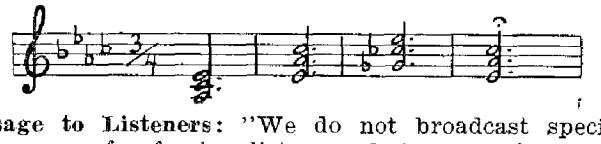
Daily Programmes in *Spanish* from 10.30-04.00. On 19.62 m only from 10.30-14.30.

10.30 News	19.15 Records
11.00 Records	19.35 Drama
13.00 News	20.00 Records
13.05 Records	20.30 Drama
14.15 Tango	21.00 News, Music
14.30 Music	22.00 Tango
15.00 News	22.25 News
15.05 Music	22.45 Jazz
15.30 Sketch	23.30 Official News
16.00 News	23.54 News, Commentary
16.30 Official News	01.00 News
16.35 News	01.05 Theatre
16.45 Tango	01.30 Music
17.00 French Progr.	02.00 News
17.15 Music	02.15 Records
18.00 Music	03.00 News, Records
19.00 Sketch	

Highlights of Programmes:
Variety: 00.00 Wednesdays.
Opera: 00.30 Saturdays.
Symphony: 00.30 Fridays.

Announcement: "LR 1 Radio El Mundo de Buenos Aires con sus estaciones LRX y LRX 1".

Interval-Signal:



Message to Listeners: "We do not broadcast special programmes for foreign listeners, but we receive many

letters and reports from listeners all over the world, which we always verify. We are always grateful for reports of our programmes and reception quality."

LRY, LRY1 — RADIO BELGRANO
Address: Radio Belgrano, 1841, Buenos Aires.

Leading Personalities: President: Mr. Jaine Yankelevich. General Manager: Mr. Juan E. Cossic. Director: Mr. Pablo O. Valle. Director of Programmes: Mr. Samuel Yankelevich.

Daily Programmes in *Spanish* from 10.00-03.00.
Saturdays: 10.00-05.00.
News: 10.00, 12.00, 12.30, 13.00, 13.55, 15.00, 15.30, 19.55, 22.00, 02.00, 02.30, 03.45.

Announcement: "LR3, Radio Belgrano y sus estaciones de onda corta LRY y LRY1 con ZP5 de Encarnacion Paraguay y la Primera Cadena Argentina de Broadcasting."

Interval-Signal: Tunes on Vibraphone and Gong.

LRS, LRS1 — RADIO SPLENDID

Address: Radio Splendid, Calle Ayacucho 1556, Buenos Aires.

Leading-Personalities: President: Engineer Antonio C. Devoto. Vice-President and General Manager: Dr. Alfredo G. Pérez.
Daily Programmes in *Spanish* from 11.00-03.00.
News at every hour. — *Theatre* daily 17.00 and 22.05. —

Highlights of Programmes:
Pedro Vargas: 21.30-22.00 Tuesdays and Fridays.
Pepe Arias: 21.30-22.00 Tuesdays and Fridays.

Answer on letters from listeners: 21.30-22.00 Mondays and Thursdays.
Football-Reportage: C. 15.00 Sundays.

Announcement: LR4 Radio Splendid de Buenos Aires, con LRS y LRS1 ondas cortas y la Red Argentina de Emisoras Splendid.

Interval-Signal: Gong.
Message to Listeners: "Listen to the French programme "La Madelon"" Weekdays from 14.00-14.15.

LPS-6 — SEFE RADIOELECTRICA, USHUAIA
Daily Programmes in *Spanish* from 22.00-24.00.

LRM — RADIO ACONCAGUA
Address: Radio Aconcagua, Ave Emilio Civit 460, Mendoza.

Leading Personalities: Manager: Julio E. Pozo.

Daily Programmes in *Spanish* from 10.00-04.00.
News daily at 10.30, 12.55, 15.00, 16.00, 16.35, 20.55, 01.00, 01.35 and 02.45.
Music at 01.40-02.10.
"Radio Theatre" 21.00 and 01.05.
Relay Radio El Mundo from 23.00-01.00.

Announcement: "LRM y LW2 Radio Aconcagua de Mendoza."

Message to Listeners: Reports are verified by letter.

LRR — RADIO OVIDIO LAGOS
Address: Radio Ovidio Lagos, Cordoba 1825, Rosario, Santa Fé.

Leading Personalities: President: Joaquin Lagos. Director: Arturo G. Martinez. Artist Manager: Tulio Rejna. Administrator: Andres J. Ciampoli.
Daily Programmes in *Spanish* from 10.00-03.00.

Announcement: Every fifteen minutes: "LRR Radio Ovidio Lagos de Rosario, Republica Argentina."

Interval-Signal: Multi-chimes.

Message to Listeners: "This is our voice, that is your hand, we will be a good friend."

BRAZIL

East (incl. all coasts): Normal Clock Time — G. M. T. minus 3 hours.
West: Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.

ZYE	7	4825 kc/s	62.18 m	0,5 kW	
PRC	5	4864 kc/s	61.68 m	2 kW	
PRF	6	4895 kc/s	61.28 m	2,5 kW	
PRI	3	6000 kc/s	50.00 m	5 kW	
PRI	3	15190 kc/s	19.75 m	12 kW	inactive
PRA	8	6016 kc/s	49.87 m	5 kW	
PRE	9	6105 kc/s	49.11 m	5 kW	
PRE	9	15165 kc/s	19.77 m	5 kW	
PRL	7	9505 kc/s	31.56 m	50 kW	inactive
PRL	7	9720 kc/s	30.86 m	50 kW	
PRL	8	11720 kc/s	25.60 m	50 kW	
PRL	9	17850 kc/s	16.81 m	50 kW	
PST	2	7410 kc/s	40.49 m	1 kW	
ZYC	8	6910 kc/s	43.42 m	25 kW	
ZYB	8	11765 kc/s	25.50 m	25 kW	
ZYB	9	15155 kc/s	19.80 m	25 kW	inactive
ZYC	9	15370 kc/s	19.52 m	25 kW	

PRL 7 — PRL 8 — PRL 9 — RADIO NACIONAL
Address: Radio Nacional, Empresa Radio Nacional, Praca Maua No. 7, Ed. da "A Noite", Rio de Janeiro.

Leading Personalities: General Manager: Mario Neiva.

Daily Programmes in *Portuguese* from *PRL 7* 30.86 m, *Sundays* from 10.00-02.00. *Weekdays* from 12.55-14.15, 15.50-16.30 and 20.25-04.00. *Saturdays* from 12.55-04.00. *PRL 8:* 10.45-12.00 and *PRL 9:* 12.15-12.45 Mondays and Fridays only.

PRL 7: 23.30 Official News.

PRL 8: 17.45 French. 18.00 Portuguese. 18.30 English. 19.00 Italian.
Daily from 22.30-23.00 offical news by the Brazilian government broadcast by all Brazilian stations.
Message to Listeners: Reports are *not verified.*

ZYB 7 — ZYB 8 — ZYB 9 — RADIODIFUSORA DE SAO PAULO
Address: Radiodifusora de Sao Paulo, Sao Paulo.

Daily Programmes in *Portuguese.*
ZYB 7 from 21.00-02.50
ZYB 8 from 13.00-18.00 and 20.30-03.30
ZYB 9 from 13.00-18.00 and 20.30-03.30

ZYE 7 — RADIO EDUCADORA DE PARNAIBA S. A., PARNAIBA, PIAUI

Daily Programmes in *Portuguese* from 22.00-03.00.

PRC 5 — RADIO CLUBE DE PARA

Address: Radio Clube de Para, Edificio Bern Avenida 15 de Agosto, Belem.

Daily Programmes in *Portuguese* from 12.00-17.30 and 21.30-02.00

PRF6 — RADIO BARE MANAUS AMAZONAS

Daily Programmes in *Portuguese* from 23.30-02.30.

PRI 3 — RADIO INCOFIDENCIA DE MINAS GERAIS BELO HORIZONTE

Address: Edificio da Feira de Amostras.

Leading Personalities: Director General: Dr. Ney Octaviana Bernis.

Daily Programmes in *Portuguese* from 10.55-19.00, 21.00-02.00.
News at 12.00, 14.30, 24.00 and 01.30.

Opera: 00.00.
Theatre: Sunday: 23.30.

PST2 — RADIO ANSCHIETA, SAO PAULO
Address: Secretaria da Edacacao Pateo do Colegio, Sao Paulo.

Daily Programmes in *Portuguese* from 18.30-20.30.
Message to Listeners: Reports answered by letter and over the air at the end of broadcasts.

PRA 8 — RADIO CLUBE DE PERNAMBUCO
Address: Radio Clube de Pernambuco, Av. Cruz Cabuga 394, Recife.

Daily Programmes in *Portuguese* from 12.00-18.00 and 20.00-03.00.
Message to Listeners: Reports are verified by QSL-card.

PRE 9 — CEARA RADIO CLUBE
FORTALEZA, CEARA
Daily Programmes in *Portuguese* from 10.00-15.00, 20.30-03.00.

ZYC 8 — ZYC 9 — RADIO TAMOIO RIO DE JANEIRO
Daily Programmes in *Portuguese* from 13.00-04.00.

BOLIVIA

Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.
Stations:

CP-15	5875 kc/s	51.07 m	0,35 kW
CP-37	6026 kc/s	49.78 m	0,25 kW
CP-2	6110 kc/s	49.10 m	1 kW
CP-12	6150 kc/s	48.78 m	0,25 kW
CP-5	6200 kc/s	48.39 m	0,5 kW
CP-49	6770 kc/s	44.31 m	0,5 kW
CP-21	9430 kc/s	31.81 m	0,27 kW
CP-38	9495 kc/s	31.59 m	5 kW
CP-12	9630 kc/s	31.15 m	0,25 kW
CP-25	9700 kc/s	30.93 m	0,25 kW

CP38/CP2 — RADIO NACIONAL DE BOLIVIA LA PAZ
Address: Casilla 596, Ja Paz.
Leading Personalities: Director: Mr. Enrique Costas E. Administrator: Mrs. Elsa Costas.
Daily Programmes in *Spanish* from 12.00-14.00, 16.00-18.00 and 20.00-04.00.
Thursdays, Saturdays and Sundays special programmes with famous artists.

CP49 — RADIO MUNICIPAL, LA PAZ
Daily Programmes in *Spanish* from 12.00-14.00, 16.00-17.00 and 22.20-02.00.

CP12 — RADIO FIDES, SUCRE
Daily Programmes in *Spanish* from 16.00-18.00 and 22.00-24.00.

CP37 — RADIO ORURO, ORURO
Daily Programmes in *Spanish* from 01.30-04.00.

CP5 — RADIO BOLIVIANA, LA PAZ
Address: Casilla 637, La Paz.
Daily Programmes in *Spanish* from 22.15-02.45.

CP25 — RADIO SUCRE, LA PAZ
Daily Programmes in *Spanish* from 14.00-03.00.

CP15 — RADIO EL CONDOR, LA PAZ
Address: Casilla 846, La Paz.
Daily Programmes in *Spanish* from about 00.00-05.00.

CHILE

Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.
Stations:

CE8AA	5800 kc/s	57.72 m	5 kW
CE-601	6010 kc/s	49.92 m	5 kW
CE-615	6150 kc/s	48.70 m	5 kW
CE-622	6220 kc/s	48.23 m	5 kW
CE-920	9200 kc/s	32.54 m	5 kW
CE-960	9585 kc/s	31.30 m	1,2 kW
CE-970	9728 kc/s	30.84 m	5 kW
CE-1173	11730 kc/s	25.58 m	5 kW inactive
CE-1174	11740 kc/s	25.55 m	5 kW
CB-1180	11998 kc/s	25.00 m	5 kW
CE-1185	11850 kc/s	25.32 m	5 kW
CE-1190	11900 kc/s	25.21 m	5 kW
CE-1227	12270 kc/s	24.45 m	5 kW

CE-1190, CE-970, CE-615 — LA VOZ DE CHILE
Address: Radios La Cooperative Vitalicia, Compania Chilena de Communicaciones S. A., Calle Condell 1227, Post Box 1627, Valparaiso.

Leading Personalities: General Manager: Mr. Luis Falcone Baltra. General Secretary: Mr. Roberto Barrueto. General Manager for Valparaiso transmitters: Mr. Luis Falcone. Director: Mr. Raul Gorigoitia. Programme Director: Mr. Enrique Saldias. General Manager for Santiago transmitters: Mr. Raul Santa Maria. Director: Mr. Renato Deformes. Programme Director: Mr. Andrés Moreno.

Daily Programmes in *Spanish:*
All stations: from 11.30-04.00 with the same programme for both from 11.30-13.00, 17.00-18.00 and 23.00-04.00.
Santiago and *Valparaiso* programmes severally from 13.00-17.00 and 18.00-23.00.

Announcement: All stations open with Elgar's march: "Land of Hope and Glory".

Interval-Signal: Every half hour automatic gong plays the first 5 notes of Elgar's march followed by announcement.

Message to Listeners: Reports are verified by QSL-card.

CE622-CE1173 — RADIO NACIONAL DE MINERIA
Address: Radio Nacional de Mineria, Sociedad Chilena Radiodifusora S. A. Casilla 2626, Santiago de Chile.

Leading Personalities: General Manager: Sr. Osvaldo Martinez C., Director of Programmes: Sr. Enrique Sánchez Matte.

Daily Programmes in *Spanish:*
Weekdays from 11.30-04.00.
Sundays from 13.30-19.00 and 21.30-04.00

Announcement: "CB106 y CEG22 Radio Sociedad Nacional de Minería."

Message to Listeners: Reports are verified by letter.

CE-601 — LA VOZ DEL NORTE ANTOFAGASTA
Leading Personalities: Owner and Manager: Mr. Horus Pedreny Palena.

Daily Programmes in *Spanish* from 02.00-04.00.

CE-960 — RADIO LA AMERICANA, SANTIAGO DE CHILE
Address: Casilla 13155 Correo 15, Santiago de Chile.

Leading Personalities: Owner and Manager: Mr. Miguel Ramis M.

Daily Programmes in *Spanish* from 24.00-05.00.

CE-1174 — RADIO NUEVO MUNDO, SANTIAGO
Address: Radio Nuevo Mundo, Sociedad Radiodifusora Nuevo Mundo Ltd., Santiago de Chile.
Daily Programmes in *Spanish* from 22.00-05.00.

CE-1185 — RADIO EL MERCURIO, Santiago de Chile.
Address: Sociedad Radiodifusora La Mercantil, Calle Compania 1228, Santiago de Chile.

Daily Programmes in *Spanish* from 12.00-03.00.

CE-920, CE-1227 — RADIO EJERCITO, PUNTO ARENAS
Daily Programmes in *Spanish* from 23.30-05.00.

CB-1180 — RADIO SOCIEDAD NACIONAL DE AGRICULTURA, SANTIAGO
Address: Cacilla 40-D, Santiago.

Leading Personalities: Manager: Mr. L. E. Brain.

Daily Programmes in *Spanish* from 11.00-13.00 and 21.00-03.00.

Message to Listeners: Reports are verified by QSL-card.

COLOMBIA

Normal Clock Time — G. M. T. minus 5 hours.
No Summer Time.

Stations:

HJGGB	4777 kc/s	62.79 m	2,5 kW
HJAN	4785 kc/s	62.70 m	5 kW
HJDX	4795 kc/s	62.57 m	0,75 kW
HJDU	4805 kc/s	62.44 m	0,75 kW
HJBB	4815 kc/s	62.31 m	0,75 kW
HJED	4825 kc/s	62.18 m	1 kW
HJGF	4847 kc/s	61.89 m	1 kW
HJCA	4855 kc/s	61.79 m	1 kW
HJEX	4865 kc/s	61.66 m	1 kW
HJFH	4874 kc/s	61.55 m	0,75 kW
HJDP	4885 kc/s	61.41 m	5 kW
HJCH	4895 kc/s	61.29 m	0,75 kW
HJAG	4903 kc/s	61.20 m	0,45 kW
HJAP	4925 kc/s	60.91 m	0,75 kW
HJCW	4945 kc/s	60.66 m	0,75 kW
HJCQ	4955 kc/s	60.54 m	2,5 kW
HJAE	4965 kc/s	60.42 m	0,75 kW
HJCX	6018 kc/s	49.85 m	0,75 kW
HJFA	6055 kc/s	49.55 m	0,75 kW
HJCF	6240 kc/s	48.09 m	0,75 kW
HJFK	6115 kc/s	49.04 m	2,5 kW
HJFB	6105 kc/s	49.14 m	1 kW
HJDE	6145 kc/s	48.82 m	5 kW
HJCD	6160 kc/s	48.70 m	10 kW
HJCT	6200 kc/s	48.39 m	10 kW
HJFB	6225 kc/s	48.19 m	4,5 kW
HJCAB	9690 kc/s	30.96 m	1 kW inactive
HJCF	11850 kc/s	25.32 m	2,5 kW

HJCAB — HJCT — HJCQ — RADIODIFUSORA NACIONAL Bogota.
Address: Ministerio de Educacion, Bogota.

Leading Personalities: General Manager: Mr. Gerardo Valencia.

Daily Programmes in *Spanish* from 15.00-19.00 and 22.00-04.15 Relay HJCR.

Interval-Signal: Chimes.

HJGB — RADIO SANTANDER, BUCARAMANGA
Address: Apartado 37, Bucaramanga.

Daily Programmes in *Spanish* from 12.00-14.00, 15.00-19.00 and 23.00-03.00.

HJAN — EMISORAS UNIDAS, BARRANQUILLA
Address: Apartado Nacional 324.

Leading Personalities: Director and General Manager: Mr. Rafael Roncallo Station Manager: Mr. A. Rosalos Navarro. Administrator: Mr. Victor Silva.

Daily Programmes in *Spanish* from 12.00-04.00.

Interval-Signal: At opening and close down: The national anthem "Colombiana".

HJBB — LA VOZ DE CUCUTA, CUCUTA
Address: Apartado Aereo 5-19.

Leading Personalities: General Manager: Abjandro Sanchez C. Administrator: Edgar O. Ramirez.
Daily Programmes in *Spanish* from 16.00-18.00 and 22.00-03.00.

Interval-Signal: Melody "Cilos". played on Organ.

HJED — LA VOZ DEL VALLE, CALI
Address: Calle 11 No. 4-52 Cali.
Daily Programmes in *Spanish* from 00.00-03.30.

HJCA — RADIO CHRISTAL, BOGOTA
Address: Apartada postel 1636, Bogota.
Leading Personalities: General Manager: Mr. Christòbal Paez G. Administrator. Mr. J. Parra. Director of Programmes: Mr. Cesav A. Rosales.
Daily Programmes in *Spanish* from 12.00-04.00.
News daily at 12.00, 18.00 and 23.00.
Highlights of Programmes:
Parade of Stars: Sunday at 21.00.
The Voice from Argentina: Thursday at 01.00.
Interval-Signal: At opening and close down "Marcha Christal". Every quarter hour: Gong.
Message to Listeners: Reports are verified by QSL card and photos of Colombian cities.

HJEX — RADIO PACIFICE, CALI
Daily Programmes in *Spanish* from 11.00-04.30.

HJCH — LA VOZ DE LA VICTOR, BOGOTA
Address: Apartado 565, Bogota.
Daily Programmes in *Spanish* from 23.00-03.00.

HJAP — RADIO COLONIAL, CARTAGENA
Address: Apartado Nacional 437, — Calle del Porvenir-Cartagena.
Leading Personalities: Director: Mr. Gilberto Valdes. Administrator: Mr. Refael Calvo M. General Manager: Mr. Lequerica G.
Daily Programmes in *Spanish* from 12.30-19.00 and from 22.00-03.30.
News daily at 16.45, 17.45, 23.45 and 01.30.
Music at 12.30, 18.05 and 03.00. Hawaian Music daily at 23.15 — Colombian Music Mond. at 13.00.
Highlights of Programmes:
The Theatre Visits Your Home: Monday at 00.30.
A Star Is Born: Wednesday at 02.00.
Colombian Festival: Friday at 00.30 and Wednesday at 02.30.
Sunday Star: Sunday at 15.00.
Interval-Signal: Gong.

HJCW — RADIO SUR AMERICA, BOGOTA
Address: Correro 8 a No. 11-57.
Daily Programmes in *Spanish* from 12.00-16.00, 21.00-04.15.

HJAE — EMISORA FUENTES, CARTAGENA
Address: P. O. Box 31, Cartagena.
Daily Programmes in *Spanish* from 21.00-03.30.

HJCF — LA VOZ DE BOGOTA, BOGOTA
Address: Apartado 312, Bogota.
Daily Programmes in *Spanish* from 22.00-04.00.

HJFK — LA VOZ AMIGA, PEREIRA
Daily Programmes in *Spanish* from 11.45-03.20.

HJFB — RADIO MANIZALES, MANIZALES
Address: Apartado 175.
Daily Programmes in *Spanish* from 22.00-03.00.

HJDE — LA VOZ DE ANTIOQUIA CIA COLOMBRANA DE RADIODIFUSORA, MEDELLIN
Address: Carrero Jumin No. 52-78.
Daily Programmes in *Spanish* on *Weekdays* from 16.00-04.00 (Sundays 02.45).

HJCD — EMISORA NUEVA GRANADA, BOGOTA
Daily Programmes in *Spanish* on *Weekdays* from 21.00-04.00.

HJDX — ECOS DE LA MONTANA, MEDELLIN
Address: Ant. Carrera 53, Medellin.
Leading Personalities: Director: Mr. Francisco Cuartas P.
Daily Programmes in *Spanish* from 13.00-19.00 and 21.00-03.30.

HJFH — LA VOZ De ARMENIA, ARMENIA
Address: Hoyos Gutierrez y Aristazabal. Armenia Caldas.
Leading Personalities: General Manager: Miguel Angel Arango. Director of Programmes: Anacleto Gallego. Chief Engineer: Juan C. Gutierrez.
Daily Programmes in *Spanish* from 12.00-13.00, 16.00-18.00 and 23.00-03.00.

HJGF — RADIO BUCARAMANGA, BNCARAMANGA
Daily Programmes in *Spanish* from 16.30-19.00 and 21.30-04.00.

HJDP — EMISSORA. CLARIDAD MEDELLIN
Leading Personalities: President: Mr. Samuel Parra B. Director General: Mr. Miguel A Parra B. Administrator: Mr. Pedro P. Parra B.
Daily Programmes in *Spanish* from 12.00-04.00.
News five minutes every half hour and 17.00-17.30, 23.45-00.45.
Announcement: Every fifteen minutes.
Interval-Signal: Motive from the march: "Admirale All".

ECUADOR

Normal Clock Time — G. M. T. minus 5 hours.
No Summer Time.

HC5EN	4000 kc/s	75.00 m	0,20 kW Commercial
HC1IM	4020 kc/s	74.63 m	0,25 kW Cultural
HC4FS	4560 kc/s	65.79 m	0,15 kW Commercial
HC2AK	4650 kc/s	64.51 m	1 kW
HC2ET	4712 kc/s	63.71 m	0,25 kW Commercial
HC4FA	4765 kc/s	62.96 m	0,20 kW Commercial
HC2AJ	4900 kc/s	61.23 m	1 kW Commercial
HC5HC	4950 kc/s	60.60 m	1 kW
HCQRX	4985 kc/	60.91 m	0,30 kW Commercial
HC1PM	5726 kc/s	52.40 m	0,15 kW Commrecial
HCIB	5970 kc/s	50.26 m	0,5 kW
HCITR	6025 kc/s	49.79 m	1 kW
HC25B	6135 kc/s	48.90 m	1 kW
HC1FM	6180 kcs	48.54 m	0,25 kW Commercial
HC1AC	6210 kc/s	48.31 m	0,5 kW Commercial
HCJB	6240 kc/s	48.08 m	1 kW Cultural
HC2RL	6668 kc/s	44.90 m	0,25 kW Cultural
HC2RL	6635 kc/s	45.21 m	1 kW
HC4AB	6870 kc/s	43.67 m	1 kW
HC4EB	6870 kc/s	43.67 m	0,37 kW
HC1UT	6990 kc/s	42.92 m	1 kW
HC1MI	7034 kc/s	42.65 m	0,25 kW Commercial
HC2CM	7200 kc/s	41.66 m	0,20 kW Commercial
HC1BF	7265 kc/s	41.30 m	0,30 kW Commercial
HC2AX	7300 kc/s	41.10 m	0,15 kW Cultural
HC2AN	7350 kc/s	40.81 m	0,5 kW
HC1GP	7874 kc/s	38.10 m	0,25 kW Commercial
HCIB	9250 kc/s	32.43 m	1 kW
HCBT	9355 kc/s	32.05 m	0,25 kW Commercial
HCJB	9958 kc/s	30.12 m	1 kW Cultural
HCJB	12445 kc/s	24.10 m	10 kW Cultural
HC2FW	12805 kc/s	23.43 m	1 kW Commercial
HCJB	15115 kc/s	19.85 m	1 kW Cultural
HC2FW	15150 kc/s	19.80 m	1 kW

HC2AN — RADIODIFUSORA CENIT, GUAYAQUILL
Address: Casilla de Correo 171, Guayaquil.
Leading Personalities: Director: Mr. Washington Delgado Capeda. Manager: Mr. Julio Delgado C.
Daily Programmes in *Spanish* from 13.00-15.00, 17.00-19.30 and 22.30-04.30.
News at 13.30, 14.30, 19.15, 23.30, 00.00, 00.30 and 04.15.
Interval-Signal: At opening and closed down: "La Serenata China".
Message to Listeners: We ask all listeners to send us a report about, how you hear our broadcasts and how you like our programmes.

HCJB — LA VOZ DE LOS ANDES
Address: "La Voz de los Andes", Radiodifusora HCJB, Quito. New York Office: 156 Fifth Avenue, New York.
Leading Personalities: The Pioneer Missionary Broadcasters operated by the World Radio Missionary Fellowship Co. Manager for HCJB: Mr. F. J. Cruz M. Directors: Mr. Clarence W. Jones, Mr. Reuben E. Larson and Mr. D. Stuart Clark.
Stations: La Voz de los Andes, HCJB.

15115 kc/s	19.85 m	1 kW
12445 kc/s	24.10 m	10 kW
9958 kc/s	30.12 m	1 kW
9250 kc/s	32.43 m	1 kW
6240 kc/s	48.08 m	1 kW
5970 kc/s	50.24 m	0,5 kW

HCJB expects within some months to carry on tests in the 16 m. band.

DAILY PROGRAMMES from 11.30-14.00 and 21.00-05.00.
In English in 32, 24 and 19 m. band.
Weekdays from 11.30-13.00 and 22.00-05.30.
Sundays from 11.30-15.00 and 22.00-05.30.

11.30	Canada calls (Sun.)	02.00	Back to the Bible
11.30	Old Family Bible (Weekd.)	03.00	World Radio Cathedral
		03.30	Musical Mailbog
12.00	Back to the Bible	04.30	Organ Melodies
22.15	News (Weekd.)	05.00	Music

DAILY PROGRAMMES in different languages:
In 19, 24, 30 m bands:

Czech:	21.30 (Wedn.)	*Italian:*	21.15 (Sun.)
Dutch:	19.30 (Sun.)	*Portuguese:*	13.30-23.00 (ex. Mo.)
	05.30(Wedn.)		
	21.30 (Frid.)	*Russian:*	21.00 (Sun.)
French:	21.15 (exc. (Mon.)		17.30 Thursd., Fri.)
	05.30	*Swedish:*	21.00 and 01.30 (Sun., Tuesd.)
German:	19.45 (Sun.)		

Spanish: 11.45-13.45, 16.30-18.30, 22.30-03.00 (exc. Sund., Mon.); 11.45-14.00, 16.30-18.30, 22.00-03.00 (Sun.).
Announcement: In *English:* "This is the Voice of the Andes, Radio Station HCJB, broadcasting from Quito, Ecuador S. A."
Interval-Signal: Tone chimes f - c - c - a.
Message to Listeners: "HCJB, situated north of the town Quito, broadcasts programmes, which tell about Ecuadorian culture. The Programmes describes the beautiful nature, the great values of our country and our wish to promote the GOSPEL of the Lord Jesus Christ. From this station "La Voz de los Andes", we broadcast a message of Christian brotherhood to our friends all over the world and especially to the readers of "World Radio Handbook". Reports answered by QSL-card.

HC1IM — LA VOZ DE IMBABURA, IBARRA
Daily Programmes in *Spanish* from 01.00-05.00.

HC2AX — LA VOZ DE VINCES, VINCES
Daily Programmes in *Spanish* from 02.00-04.00.

HCQRX — LA VOZ DE LA CAPITAL
Address: Radio Quito, "La Voz de la Capital", Empresa Editora El Comercio, Quito.
Daily Programmes in *Spanish* from 11.45-04.45.

HC2FW — RADIO CONTINENTAL
Address: Casilla 4020, Guayaquil.
Leading Personalities: General Manager: Sr. Cabriol Tramontana. Director: Felipe Huerta. Secretary: Blanca Salazar.
Daily Programmes in *Spanish: Weekdays* from 16.00-21.00 and 22.00-04.00. *Sundays* from 18.00-20.00 on 15150 kc/s.
News: 12.00, 13.00, 18.00, 02.00 and 03.00.
18.00-18.30 Orchestra. — 03.00-04.00 Dance Music from Continental Club.

HC1AC — LA VOZ DE LA DEMOCRACIA
Address: Radiodifusora "La Voz de la Democracia", Calle León 780 y Oriente, Quito.
Leading Personalities: Owner and Director: Mr. Aziz Noe Mucarzel. Joint-Manager: Mr. Victor M. de Veintimilla.
Daily Programmes in *Spanish* from 12.00-14.30, 17.00-21.00 and 22.30-04.30.

HC5EH — LA VOZ DEL TOMEBAMBA, CUENCA
Address: Apartado 23, Cuenca.
Leading Personalities: Director General: Mr. Humberto Espinoza T. Director of Programmes: Mr. Jose R. Heredia G. Director of News: Dr. Dario Ordenez.
Daily Programmes in *Spanish* from 12.00-13.30, 16.30-19.00 and 23.00-03.30.
12.30 News — 16.30 Music — 01.45 News — 02.30 Theatre — 03.00 News. — Special Programmes: Sunday 17.00-19.00.

HCBT — RADIO BOLIVAR
Address: Radio Bolivar, Quito.
Leading-Personalities: Owner: Carlos Mantilla Ortega, the newspaper "El Comercio".
Daily Programmes in *Spanish* from 13.00-15.00, 17.00-19.00 and 23.00-03.00.

HC2AJ — RADIODIFUSORA DEL ECUADOR
Address: Compania Radiodifusora del Ecuador, Guayaquil.
Daily Programmes in *Spanish* from 12.00-13.15, 17.00-19.00 and 23.00-04.00.

BRITISH GUIANA

Normal Clock Time — G. M. T. minus 3¾ hours.
No Summer Time.
Address: British Guiana United Broadcasting Co., Ltd., 30-32 New North Road, Bourda, Georgetown.
Leading Personalities: Manager: Mr. Peter J. Davis. Secretary: Mr. Albert E. Roberts.
Stations: "The Voice of Guiana."
ZFY 6000 kc/s 50.00 m 1 kW (to be increased to 3 kW)
Daily Programmes in *English:*
Weekdays: 10.45-12.45, 14.45-16.45, 19.45-00.45.
Sundays: 10.45-16.45, 19.45-00.45.
Announcement: "This is ZFY, the voice of Guiana, 6000 kilocycles."
Message to Listeners: Reports are welcomed and verified.

DUTCH GUIANA (Surinam)

Normal Clock Time — G.M.T. minus 3 hours 40 minutes.
No Summer Time.
Address: Algemeene Vereenigung voor Radio Omroep en Surinam (AVROS), Paramaribo.
Stations: Avros, Paramaribo.

PZH5	5750 kc/s	52.18 m	0,35 kW
PZC	15400 kc/s	19.48 m	5 kW

Daily Programmes in Dutch:
PZH5 *Weekdays* from 13.00-14.30, 20.30-01.30.
Sundays from 13.30-15.30, 23.30-01.30.
PZC Daily from 21.00-22.30.
News: 23.15 (exc. Sat., Sund.) and 00.15.
Announcement: "AVROS Paramaribo."
Message to Listeners: Reports answered by QSL-cards.

PARAGUAY

Normal Clock Time — G. M. T. minus 4 hours.
No Summer Time.

ZPA1	6274 kc/s	47.81 m	3 kW
ZPA3	11870 kc/s	25.37 m	1 kW
ZPA5	11950 kc/s	25.10 m	5 kW

ZPA5-RADIO ENCARNACION
Address: Radio Encarnacion, Compania Paraguaya de Radiodifusion, Encarnacion.
Direction: Casilla de Correo 5522, Posadas, Misiones, Argentine.
Leading Personalities: President: Don Luis Peroni. Vice President and General Manager: Don Pedro D. Rebollo. Director: Don Jaime Yankelevich. Director of Programmes: Don Rolando Hanglin.
Daily Programmes from ZPA5 in *Spanish* from 11.30-18.30 and 20.30-00.45
Is linked with the Argentine radio net and transmits Belgranos programmes most of the time.
Announcement: Every fifteen minute indicating name of station.
Interval-Signal: Every fifteen minutes.
Message to Listeners: "We arrange broadcasts to all countries in the world on fixed dates".

ZPA1-RADIO NACIONAL DEL PARAGUAY
Address: Radio Nacional del Paraguay, Departemendo de Impresa y Propaganda, Ascuncion.
Daily Programmes from ZPA1 in *Spanish* from 15.00-17.00 and 22.00-04.00.

ZPA3-RADIO TELECO
Daily Programmes from ZPA3 in *Spanish* from 12.00-02.15.

PERU

Normal Clock Time — G. M. T. minus 5 hours.
Stations:

OAX-2A	5620 kc/s	53.38 m	0,25 kW
OAX-4Z	5889 kc/s	50.94 m	15 kW
OAX-4V	5907 kc/s	50.78 m	0,5 kW
OAX-4P	5984 kc/s	50.14 m	0,25 kW
OAX-4C	6000 kc/s	50.00 m	0,2 kW
OAX-4Q	6020 kc/s	49.83 m	1 kW
OAX-6B	6035 kc/s	49.71 m	0,2 kW
OAX-6A	6042 kc/s	49.65 m	0,2 kW
OAX-6E	6333 kc/s	47.37 m	0,3 kW
OAX-4R	15150 kc/s	19.80 m	10 kW
OAX-4H	6095 kc/s	49.22 m	1 kW
OAX-7A	6128 kc/s	48.96 m	1 kW
OAX-8C	6140 kc/s	48.86 m	0,3 kW
OAX-1A	6700 kc/s	44.78 m	0,2 kW
OAX-4B	6170 kc/s	48.62 m	0,1 kW
OAX-5E	6170 kc/s	48.62 m	0,3 kW
OAX-6G	6170 kc/s	48.62 m	0,2 kW
OAX-4M	6315 kc/s	47.51 m	0,2 kW
OAX-4G	6410 kc/s	46.80 m	0,25 kW
OAX-1B	6197 kc/s	48.41 m	0,4 kW
OAX-4W	9380 kc/s	31.98 m	0,5 kW
OAX-4J	9330 kc/s	31.15 m	0,25 kW
OAX-4K	9520 kc/s	31.51 m	0,2 kW
OAX-4T	9562 kc/s	31.37 m	10 kW
OAX-5C	9815 kc/s	30.51 m	0,15 kW
OAX-4L	6220 kc/s	48.23 m	

RADIO NACIONAL DEL PERU
Address: Radio Nacional del Peru, Av. Petit Thouars 441, Lima.

Stations: Radio Nacional del Peru.

OAX-4Z	6082 kc/s	49.33 m	15 kW
OAX-4T	9562 kc/s	31.37 m	10 kW
OAX-4R	15150 kc/s	19.80 m	10 kW

Daily Programmes in *Spanish* from 12.45-14.00, 16.00-19.00 and 23.00-04.30.
Official *News* at 01.00 and 03.00.

OAX4Q — RADIO VICTORIA
Address: Radio Victoria, Edificio Mineria No. 508-510, Lima.
Leading Personalities: Owner and General Manager: José E. Cavero.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).
Announcement: "OAX-4X y OAX-4Q, Radio Victoria del Peru."
Interval-Signal: The first five bars of Beethoven's 5th Symphony.
Message to Listeners: "We endeavour to present for the listeners our best national and foreign artists, who make their debut at the principal theatres in our capital."

OAX2A — RADIO TRUJILLO — OAX4V, OAX4W — RADIO AMERICA
Address: Cia Peruana de Radiodifusora, Jiron Ocona 476, Lima.
Daily Programmes in *Spanish:*
OAX2A: Weekd.: 16.00-19.00, 23.00-04.30. Sun. 16.00-05.00.
OAX4V: 12.55-04.45.
OAX4W: 12.55-04.45.
Message to Listeners: Reports are verified by letter.

OAX6E — RADIO CONTINENTAL
Address: J. Antonio Umbert F., 30 Piso, Teatro Municipal, Arequipa.
Daily Programmes in *Spanish* from 16.00-05.00.

OAX7A — RADIO CUSCO
Address: Carlos Lizarraga Fisher, Montes 43, Cusco.
Daily Programmes in *Spanish* from 23.00-04.00.

OAX1B — RADIO PIURA, PIURA
Address: J. Carlos Montjoy D., Saenz Pena 109, Chiclayo.
Daily Programmes in *Spanish:*
OAX1A: Weekd.: 16.00-19.00 and 23.00-04.30.
Sun.: 23.00-04.30.
OAX1B: 23.00-04.30.

OAX5E — RADIO CHINCHA
Address: Gonzales Jordan Canepa, Los Angeles, Chincha.
Daily Programmes in *Spanish* from 23.00-04.30.

OAX4G — RADIO LIMA
Address: Avenue Uruguay 355, Lima.
Daily Programmes in *Spanish* from 13.00-05.00 (Sat. 06.00).

OAX4P — LA VOZ DEL CENTRO DEL PERU
Address: Apartado 187, Huancayo.
Daily Programmes in *Spanish* from 16.30-19.00 and 01.00-04.30.
Message to Listeners: Reports are verified by QSL-card.

OAX4J — RADIO COLONIAL
Address: Plumereous 372-altos, Lima.
Daily programmes in *Spanish* from 13.00-14.00, 16.00-18.00, 23.00-05.00.

OAX5C — RADIO UNIVERSAL
Address: Raul Claux Budge, Loreto 124/128, Ica.
Daily Programmes in *Spanish* from 16.30-19.00 and 22.00-04.30.

OAX4H — RADIO MUNDIAL
Address: Jiron Union 733, Lima.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).

OAX4K — RADIO CENTRAL
Address: Ingo Juan P. Goicocha, Jiron Union 1038, Lima.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).

OAX6H — RADIO TACNA, TACNA
Address: Casilla 188, Tacna, Peru.
Leading Personalities: Director and Owner: Mr. José S. Casores. Administrator: Mr. Pedro T. Vernal.
Daily Programmes in *Spanish* from 23.00-04.00.
Interval Signal: At opening: "Amanacer Andine". At close down: Quenas Intermezzo and "Tacna hermosa" (beautiful Tacna).

URUGUAY

Normal Clock Time — G. M. T. minus 3½ hours.
No Summer Time.

Stations:

CXA-30	6035 kc/s	49.71 m	1 kW
CXA-14	6055 kc/s	49.55 m	5 kW
CXA-13	6155 kc/s	48.74 m	10 kW
CXA-3	6075 kc/s	49.38 m	2,5 kW
CXA-4	6125 kc/s	48.98 m	10 kW
CXA-21	6170 kc/s	48.62 m	1 kW
CXA-6	9620 kc/s	31.19 m	20 kW
CXA-8	9640 kc/s	31.12 m	3 kW
CXA-7	11735 kc/s	25.56 m	5 kW
CXA-19	11835 kc/s	25.35 m	5 kW
CXA-10	11900 kc/s	25.21 m	20 kW
CXA-18	15300 kc/s	19.60 m	20 kW

RADIO ELECTRICA
Address: Servicio Official de Difusion Radio Electrica (S.O.D.R.E.) Andes 1465, Montevideo.
Leading Personalities: President: Doctor Ernesto Llovet. Vice-President: Doctor Jose Maria Delgado. Secretary: Doctor A. Osvaldo Santini. Director-General: Don Hector M. Laborde. Chief Engineer: Don Dante Tartaglia.

Stations: Radio Electrica.

CXA 4	6125 kc/s	48.98 m	5 kW	under constr.
CXA 6	9620 kc/s	31.18 m	20 kW	
CXA 10	11895 kc/s	25.22 m	20 kW	
CXA 18	15300 kc/s	19.60 m	20 kW	

Daily Programmes in *Spanish:*
CXA 6 from 14.45 (14.30 Mon., Fri.)-17.00 (17.15 Mon., Fri.) and 20.00-02.05.
CXA 10 from 17.00-17.30 (Sun.) and 23.30-03.30.

English by Radio: 14.45-17.00 (Mon., Wedn., Fri.).

Announcement: "Estacion Official del Estado, Servicio Official de Difusion Radio Electrica, CX 6, CXA 6 y CXA'10".

Message to Listeners: "The object of the Official Broadcasting Service (SODRE) is to cultivate and elevate public interest by means of its broadcasts and artistic performances of high rank, inspired by a desire for spiritual perfection and to strengthen sincere bonds of friendship between nations."

CXA19, CXA18 — RADIO EL ESPECTADOR
Address: Radio El Espectador, Difusoras del Uruguay S. A. 18 de Julio 1393, Montevideo, Uruguay.

Leading Personalities: President: Lorenzo F. Balerio Sicco. General Manager: Jorge Cubilo. Director: Walter B. Alfars. Chief Engineer: R. Danilo Valverde.

Daily Programmes in *Spanish* from 11.00-03.00.

Time between news and commentaries is covered with music, either transcribed or by orchestras.

Announcement: "Difusoras el Espectador de Montevideo, CX14 y CXA19."

Message to Listeners: "Under the Southern Cross vibrates in the voice of "El Espectador" the fervent wish for and the ratification of the Liberty of Man. The first democratic tribune in Uruguay, dedicated in body and soul to fight for the right of liberty of speech and expression. Reports are verified by QSL-card.

CXA21 — RADIO FENIX
Address: 18 de Julio 965, Montevideo.
Daily Programmes in *Spanish* from 22.00-01.00.

CXA30 — RADIO NACIONAL
Address: 18 de Julio 1764, Montevideo.
Daily Programmes in *Spanish* from 15.00-17.00, 20.00-01.00.

CXA8 — RADIO REAL DE SAN CARLOS
Address: Radio Real de San Carlos, Flores 30, Colonia.
Daily Programmes in *Spanish* from 11.00-14.00, 22.00-03.00.

CXA3 — RADIO ARIEL
Address: Radio Ariel, 18 de Julio 1277, Montevideo.
Daily Programmes in *Spanish* from 10.00-12.00, 14.00-16.45 and 19.45-24.00.

CXA13 — RADIO CARVE MONTEVIDEO
Daily Programmes in *Spanish* from 11.00-03.00.

VENEZUELA

Normal Clock Time — G. M. T. minus 4½ hours.
Stations:

YV-1RO	3310 kc/s	90.63 m	0,625 kW
YV-6HE	3330 kc/s	90.09 m	1 kW
YV-5RS	3530 kc/s	84.97 m	0,950 kW
YV-1RT	3370 kc/s	89.02 m	0,455 kW
YV-4RK	3430 kc/s	87.48 m	0,3 kW
YV-5EW	3400 kc/s	88.24 m	0,75 kW
YV-2RC	3420 kc/s	87.72 m	0,3 kW
YV-1RU	3440 kc/s	87.21 m	0,7 kW
YV-6RH	3450 kc/s	86.96 m	1 kW
YV-4RP	3460 kc/s	86.71 m	0,7 kW
YV-4RQ	3480 kc/s	86.21 m	0,575 kW
YV-3RS	3490 kc/s	85.96 m	0,650 kW
YV-5RX	3505 kc/s	85.59 m	1,75 kW
YV-6RC	3515 kc/s	85.34 m	1 kW
YV-2RN	3550 kc/s	84.48 m	1 kW
YV-5RD	3570 kc/s	84.07 m	1 kW
YV-7RB	3590 kc/s	83.51 m	1 kW
YV-5RY	4725 kc/s	63.45 m	1 kW
YV-1RV	4750 kc/s	63.16 m	0,2 kW
YV-5RV	4760 kc/s	63.03 m	0,227 kW
YV-1RY	4770 kc/s	62.89 m	0,215 kW
YV-4RO	4780 kc/s	62.76 m	0,195 kW
YV-6RU	4790 kc/s	62.63 m	0,620 kW
YV-1RX	4800 kc/s	62.50 m	2 kW
YV-1RL	4810 kc/s	62.37 m	0,227 kW
YV--9AA	4820 kc/s	62.24 m	1 kW
YV-2RN	4830 kc/s	62.11 m	1,3 kW
YV-1RZ	4840 kc/s	62.00 m	1,5 kW
YV-5RU	4880 kc/s	61.47 m	7,5 kW
YV-5RM	4915 kc/s	61.04 m	5 kW
YV-5RN	4920 kc/s	60.98 m	7,5 kW
YV-3RN	4990 kc/s	60.12 m	4 kW
YV-1RG	6150 kc/s	48.78 m	1 kW
YV-6RD	6205 kc/s	48.35 m	1 kW
YVKC	7400 kc/s	40.05 m	10 kW
YVKC	9640 kc/s	31.12 m	10 kW
YVKC	10080 kc/s	29.76 m	10 kW

YV5RA — ONDAS POPULARES
Address: Apartado de Correos 587, Caracas.
Leading Personalities: Director: Mr. Oscar Eduardo Rickel. Sub. Director: Mr. Luis Brito Arocha. Director of Programmes: Mr. Alfredo Ferrara. Chief of Programmes: Mr. José Maranjo. Goncao Chief of Music: Mr. Eduardo Serrano. Technical Director: Mr. Ramón Barrios.
Daily Programmes in *Spanish* from 10.55-04.15.
Interval-Signal: Gong. At opening and close down is played the "Ondas Populares March".

YVKC — RADIODIFUSORA NACIONAL CARACAS
Daily Programmes in *Spanish* from 17.00-21.00 and 00.00-03.30 on 9640 kc/s.

YV5RN — RADIO CARACAS, CARACAS
Daily Programmes in *Spanish* Weekdays from 11.00-03.30 Sundays from 12.30-03.30.

YV5RM — RADIODIFUSORA VENEZUELA, CARACAS
Daily Programmes in *Spanish* from 10.25-03.30.

YV3RN — RADIO BARAQUISIMETO, BARAQUISIMETO
Daily Programmes in *Spanish* from 11.30-03.30.

YV1RO — RADIO TRUJILLO, TRUJILLO
Address: Calle Independencia 200, Trujillo.
Daily Programmes in *Spanish* from 22.00-02.30.

YV5RS — RADIO LIBERTADOR, CARACAS
Daily Programmes in *Spanish* from 22.30-03.30.

YV1RT — LA VOZ DE LA FE, MARACAIBO
Daily Programmes in *Spanish* from 22.30-03.30.

YV5RY — RADIO CONTINENTE
Address: Bolsa a Padre Sierra 22, Caracas.
Leading Personalities: General Manager: Mr. Juan Francisco Rodriquez.
Daily Programmes in *Spanish* from 14.30-03.30.

YV4RQ — RADIO PUERTO CABELLO, PUERTO CABELLO
Daily Programmes in *Spanish* from 22.00-02.30.

YV3RS — RADIODIFUSORA OCCIDENTAL, BARAQUISIMETO
Daily Programmes in *Spanish* from 21.30-02.30.

YV7RB — RADIO SUCRE, CUMANA
Daily Programmes in *Spanish* from 16.00-17.30 and 21.30-02.30.

YV6RU — ECOS DEL ORINOCO, CIUDAD BOLIVAR
Daily Programmes in *Spanish* from 22.30-02.30.

YV1RX — ECOS DEL LAGO, MARACAIBO
Address: Apartado 261, Maracaibo.
Daily Programmes in *Spanish* from 10.30-03.30.

YV1RL — RADIO POPULAR, MARACAIBO
Address: P. O. Box 247, Maracaibo.
Daily Programmes in *Spanish* from 10.30-03.30.

YV2RN — LA VOZ DEL TACHIRA, San CHRISTOBAL
Address: Apartado 37, S. Christobal.
Daily Programmes in *Spanish* from 16.00-02.30.

YV1RZ — RADIO VALERA, VALERA
Address: Calle Bolivar 54, Valera.
Daily Programmes in *Spanish* from 15.45-17.30 and 21.30-02.40.

YV6RD — LA VOZ DE GUYANA, CIUDAD BOLIVAR
Daily Programmes in *Spanish* from 22.00-04.15.

YV5RD — RADIO CULTURA, CARACAS
Daily Programmes in *Spanish* from 15.30-03.30.
Announcement: "Esta es la Radio Cultura en Caracas."

YV6RD — LA VOZ DE GUYANA
Address: Apartados 43, Ciudad Bolivar.

LANG- OG MELLEMBØLGE-STATIONER

Europa — Nord-Africa — Nære Orient

kc/s	Metres	kW	Station
153	1961	120	**North West** — U. S. S. R.
155	1935	10	**Prague I** — Czechoslovakia
160	1875	150	**Lahti** — Finland
160	1875	10	**Kootwijk** — Holland
160	1875	150	**Brasov** — Roumania
167	1796	50	**Ottringham** — Gt. Brit.
174	1724	200	**Moscow** — U. S. S. R.
182	1648	120	**Ankara** — Turkey
191	1571	100	**Berlin** — Germany: U. S. S. R. Zone
200	1500	150	**Droitwitch** — Gt. Brit.
208	1442	100	**Leningrad** — U. S. S. R.
216	1389	150	**Motala** — Sweden
224	1339	10	**Warsaw II** — Poland
232	1293	150	**Luxembourg**
232	1293	100	**Moscow** — U. S. S. R.
240	1250	60	**Kalundborg** — Denmark
253	1186	10	**Bodoe** — Norway
260	1154	60	**Oslo** — Norway
260	1154	20	**Bergen I** — Norway
271	1107	100	**Reykjavik** — Iceland
271	1107	50	**Leningrad** — U. S. S. R.
282	1064	20	**Vigra** — Norway
288	1054	0,5	**Gdansk** — Poland
292	1027	10	**Tromsoe** — Norway
310	968	1	**Joensuu** — Finland
347	865	1	**Finmark (Vadsoe)** — Norway
355	845	1	**Bergen II** — Norway
392	765	25	**Banska Bystrica** — Czechosl.
392	765	10	**Luleå** — Sweden
415	722	10	**Oestersund** — Sweden
433	693	10	**Oulu (Uleåborg)** — Finland
514	583	15	**Plzen** — Czechoslovakia
519	578	1	**Hamar** — Norway
519	578	2	**Innsbruck** — Austria: French Z.
519	578	1,2	**Vorarlberg/Dornbirn** — Austria
527	569	2	**Bremen** — Germany am. Zone
527	569	20	**Kuopio** — Finland
530	566	2	**Kaiserlautern** — Germany Fr. Zone
527	569	12	**Ljublana I** — Yugoslavia
536	559	20	**Bolzano** — Italy
536	559	5	**Sardegna** — Italy: Autonome
536	559	50	**Wilna** — U. S. S. R.
546	549	50	**Budapest I** — Hungary
564	532	1,5	**Dresden** — Germany: U. S. S. R. Z.
564	532	1,5	**Potsdam** — Germany: U. S. S. R. Z.
565	531	100	**Athlone** — Eire
565	531	0,75	**Klagenfurt** — Austria: B. F. N.
565	531	0,75	**Graz** — Austria: B. F. N.
565	531	10	**Palermo** — Italy
574	522	100	**Stuttgart** — Germany: U. S. Zone
583	514	50	**Riga** — U. S. S. R.
583	514	20	**Droitwitch** — Gt. Brit.
592	506	10	**Vienna I** — Austria: U. S. S. R. Z.
601	499	15	**Athens** — Greece
601	499	10	**Frankfurt** — Germany A. F. N.
601	499	1	**Bremen** — Germany: U. S. Zone
601	499	10	**Sundsvall** — Sweden
605	495	4	**Sarajevo I** — Yugoslavia
610	491	2	**Paris III** — France
610	491	100	**Florence I** — Italy
615	487	1	**Eidar** — Iceland
620	483	100	**Moscow** — U. S. S. R.
620	483	20	**Brussels I** — Belgium
629	477	20	**Berlin RIAS** — Germany: U. S. Z.
629	476	50	**Lisbon I** — Portugal
629	476	20	**Kristiansand** — Norway
629	476	1	**Linz KOFA** — Austria: U. S. Zone
629	476	10	**Zagreb** — Yugoslavia
638	470	120	**Praque I (Liblice)** — Czechosl.
648	463	100	**Limoges I - Nieul** — France
657	456	100	**Norden** — Germany: (B. B. C.s)
668	449	100	**Moorside Edge** — Gt. Brit.
677	443	100	**Sottens** — Switzerland
686	437	20	**Beograd** — Yugoslavia
686	437	15	**Madrid EAJ 7** — Spain
695	431	100	**Paris I (Villebon)** — France
704	426	20	**Skoplje I** — Yugoslavia
704	426	0,2	**Malmberget** — Sweden
704	426	60	**Andorra** — Andorra la Vieja
704	426	20	**Skoplje** — Yugoslavia
713	420	100	**Rome I** — Italy
722	415	120	**Leipzig II** — Germany: U.S.S.R. Z.
722	415	120	**Berlin** — Germany: U. S. S. R.
722	415	20	**Lisbon II** — Portugal
722	415	60	**Hilversum II** — Holland
730	411	4	**Beyrouth** — Lebanon
731	410	5	**Sevilla EAJ 5** — Spain
731	410	10	**Monte Carlo** — Monaco
740	405	100	**Munich** — Germany: U. S. Zone
749	400	20	**Marseilles I** — France
758	395	50	**Warsaw I** — Poland
758	395	3,5	**Madrid EAJ 2** — Spain
767	391	15	**Sofia I** — Bulgaria
767	391	60	**Burghead (Scotland)** — Gt. Brit.
767	391	60	**Westerglen (Scotland)** — Gt. Brit.
767	391	2,5	**Aberdeen (Scotland)** — Gt. Brit.
776	386	10	**Paris II** — France
785	382	120	**Leipzig** — Germany: U. S. S. R. Z.
795	377	5	**Barcelona EAJ I** — Spain
804	373	60	**Washford** — Gt. Brit.
804	373	10	**Penmon** — Gt. Brit.
804	373	1	**Wrexham** — Gt. Brit.
804	373	2	**Saloniki** — Greece
814	368	50	**Milan I** — Italy
823	364	12	**Bucarest I** — Roumania
823	364	20	**Troendelag** — Norway
827	362	18	**Freiburg** — Germany: French Z.
827	362	1,5	**Baden Baden** — Germany: Fr. Z.
827	362	5	**Sigmaringen** — Germany: French Z.
832	360	100	**Moscow** — U. S. S. R.
832	360	0,05	**Grenoble II** — France
832	360	10	**Quimper-Quimerch** — France
841	356	100	**Berlin** — Germany: U. S. S. R. Z.
850	352	100	**Sofia II** — Bulgaria
850	352	30	**Zaragoza EAJ 101** — Spain
850	352	100	**Stavanger** — Norway
859	349	20	**Strasbourg I** — France
868	345	6	**Poznan** — Poland
868	345	0,8	**Vienna** — Austria B. F. N.
868	345	10	**Brussels IV** — Belgium
877	342	70	**Brookman's Park London** —
886	338	100	**Alpenland** — Austria: British Zone
895	335	100	**Lyon I** — Frence
895	335	40	**Turku (Åbo)** — Finland
895	335	10	**Beograd II** — Yugoslavia
904	331	100	**Hamburg/Cologne** — Germany:
913	328	100	**Toulouse I** — France
922	325	100	**Brno I** — Czechosl.
932	321	20	**Brussels II** — Belgium
941	318	10	**Goeteborg** — Sweden
950	315	100	**Moscow** — U. S. S. R.
950	315	50	**Wroclaw** — Poland

kc/s	Metres	kW	Station
950	315	3	**Nuremberg** — Germany: Am. Zone
959	312	10	**Nancy I** — France
961	312	1	**Namsos** — Norway
968	309	20	**Pau** — France
968	309	20	**Coruna** — Spain
977	307	100	**Start Point** — Gt. Brit.
986	304	1	**Bygoszcz** — Poland
986	304	24	**Torun** — Poland
986	304	5	**Genoa II** — Italy
986	304	80	**Turin I** — Italy
995	301	100	**Hilversum I** — Holland
1004	298	50	**Bratislava** — Czechoslovakia
1013	296	60	**Droitwich** — Gt. Brit.
1013	296	1	**Norwich** — Gt. Brit.
1022	293	10	**Cracow** — Poland
1022	293	120	**Madrid Arganda** — Spain
1022	293	1,5	**Madrid Local** — Spain
1031	291	50	**Coblenz** — Germany: French Zone
1031	291	20	**Erfurt** — Germany: U. S. S. R.
1040	288	5	**Bucarest II** — Roumania
1040	288	8	**Budapest II** — Hungary
1040	288	10	**Leningrad** — U. S. S. R.
1040	288	20	**Rennes I** — France
1050	285	100	**Stagshaw** — Gt. Brit.
1050	285	100	**Lisnagarwey** — Gt. Brit.
1050	285	1	**Londonderry** — Gt. Brit.
1059	283	20	**Bari I** — Italy
1063	282	2	**Brno II** — Czechoslovakia
1068	280	0,2	**Dijon I** — France
1068	280	2	**Nines** — France
1068	280	20	**Parede** — Portugal
1068	280	1	**Vienna** — Austria: U. S. Zone
1068	280	1,5	**San Sebastian** — Spain
1068	280	1	**Naples II** — Italy
1068	280	1	**Bologna II** — Italy
1077	278	100	**Bordeaux** — France
1086	276	100	**Falun** — Sweden
1122	267	60	**Crowborough** — Gt. Brit.
1122	267	1	**Barcelona EAJ 15** — Spain
1131	265	100	**Hörby** — Sweden
1135	264	2,5	**Bilbao** — Spain
1140	263	10	**Trieste** — Italy: Autonome
1140	263	0,25	**Liége** — Belgium
1149	261	60	**Brookmans Park** — Gt. Brit.
1149	261	60	**Moorside Edge** — Gt. Brit.
1149	261	60	**Westerglew** — Gt. Brit.
1149	261	20	**Burghead** — Gt. Brit.
1149	261	10	**Lisnagarvey** — Gt. Brit.
1149	261	10	**Stagshaw** — Gt. Brit.
1149	261	2	**Aberdeen** — Gt. Brit.
1149	261	2	**Redruth** — Gt. Brit.
1149	261	1	**Plymouth** — Gt. Brit.
1149	261	1	**Londonderry** — Gt. Brit.
1158	259	11	**Ostrava** — Czechoslovakia
1158	259	10	**Montbeliard** — France
1158	259	0,05	**Montpellier II** — France
1167	257	15	**Monte Ceneri** — Switzerland
1172	256	2	**Tatry** — Czechoslovakia? ??
1176	255	30	**Copenhagen** — Denmark
1185	253	60	**Nice** — France
1195	251	60	**Frankfurt** — Germany: U. S. Zone
1200	240	0,1	**Korca** — Albania
1204	249	100	**Kosice** — Czechoslovakia
1213	247	20	**Lille I** — France
1222	245	1	**Porsgrunn** — Norway
1222	245	20	**Venice I** — Italy
1222	245	3,5	**Groningen** — Holland
1222	245	2	**Maastrich** — Holland
1231	243	20	**Schwerin** — Germany: U. S. S. R. Z.
1231	243	10	**Katowice** — Poland
1231	243	0,6	**Ljubljana II** — Yugoslavia
1240	241	5	**Sigmaringen** — Germany: FrenchZ.
1240	231	0,3	**Skoplje II** — Yugoslavia
1240	241	1	**Cork** — Eire
1249	240	100	**Munich** — Germany: A. F. N.
1249	240	100	**Stuttgart** — Germany: A. F. N.
1258	238	5	**Rome II** — Italy
1258	238	1	**Udine** — Italy
1258	238	2	**Valencia EAJ3** — Spain
1267	236	5	**Salzburg** — Austria: U. S. Zone
1267	236	0,5	**Kassel** — Germany: U. S. Zone
1276	235	10	**Fredrikstad** — Norway
1285	233	5	**Brussels III** — Belgium
1285	233	6	**Vienna** — Austria: Br. Zone
1285	233	15	**Klagenfurt** — Austria: British Z.
1285	233	15	**Graz** — Austria: British Zone
1294	231	15	**Linz** — Austria: U. S. Zone
1294	231	1	**Notodden** — Norway
1303	230	20	**Halle** — Germany: U. S. S. R. Z.
1303	230	50	**Bologna** — Italy
1312	228	5	**Naples I** — Italy
1312	228	2,5	**Malmoe** — Sweden
1312	228	0,25	**Karlstad** — Sweden
1312	228	0,25	**Norrköping** — Sweden
1312	228	0,25	**Trollhättan** — Sweden
1312	228	0,5	**Uppsala** — Sweden
1312	228	10	**Vienna II** — Austria: U. S. S. R. Z.
1321	227	20	**Clermont** — France
1321	227	4	**Lisbon (Renascenca)** — Portugal
1330	225	2,5	**Flensburg** — Germany: British Z.
1330	225	20	**Hannover** — Germany: British Z.
1330	225	5	**Berlin** — Germany: British Zone
1339	224	10	**Lodz** — Poland
1339	224	10	**Marseilles II** — France
1339	224	20	**Limognes II** — France
1339	224	20	**Touluse II** — France
1339	224	10	**Nancy II** — France
1339	224	25	**Lyon Dardilly** — France
1348	222	2	**Dublin** — Eire
1348	222	1	**Porto (Renascenca)** — Portugal
1348	222	0,25	**San Remo** — Italy
1348	222	1	**Bari II** — Italy
1384	222	1	**Verona** — Italy
1348	222	2	**Saarbrucken** — Germany: FrenchZ.
1348	222	5	**Tjihlava** — Czechoslovakia
1348	222	1	**Perpignan** — France
1348	222	1	**Poitiers** — France
1348	222	1	**Montelimar** — France
1348	222	0,2	**Kiruna** — Sweden
1348	222	0,4	**Saeffle** — Sweden
1348	222	0,2	**Varberg** — Sweden
1348	222	0,2	**Oerebro** — Sweden
1348	222	1	**Vatican City** — Vatican State
1357	221	0,25	**Rjukan, Lista** — Norway
1357	221	10	**Genoa I** — Italy
1357	221	20	**Turin II** — Italy
1359	221	10	**Milan II** — Italy
1366	219	5	**Ceské Budéjivice** — Czechosl.
1366	219	20	**Herford** — Germany: B. F. N.
1366	219	10	**Nantes** — France
1366	219	4,5	**Sarajevo II** — Yugoslavia
1375	218	0.5	**Basel** — Switzerland
1375	218	0,1	**Savièse** — Switzerland
1384	216	1	**Szczecin (Stettin)** — Poland
1384	216	20	**Clevedon** — Gt. Brit.
1384	216	10	**Bartley** — Gt. Brit.
1393	215	20	**Rouen** — France
1393	215	10	**Montpellier I** — France

kc/s	Metres	kW	Station
1393	215	20	**Dijon II** — France
1393	215	20	**Grenoble I** — France
1393	215	25	**Nice II** — France
1393	215	40	**Bordeaux II** — France
1393	215	10	**Strassbourg II** — France
1393	215	24	**Rennes** — France
1402	214	1	**Umeå** — Sweden
1402	214	0,5	**Eskilstuna** — Sweden
1402	214	0,5	**Gävle** — Sweden
1402	214	1	**Hudiksvall** — Sweden
1402	214	0,5	**Haelsingborg** — Sweden
1402	214	0,07	**Porjus** — Sweden
1402	214	0,5	**Visby** — Sweden
1402	214	0,5	**Oernskoeldsvik** — Sweden
1411	213	10	**Bayreuth** — Germany: A. F. N.
1411	212	10	**Porto** — Portugal
1411	212	0.05	**Uddevalla** — Sweden
1420	211	1	**Berlin** — Germany: A. F. N.
1420	211	10	**Helsinki I** — Finland
1429	210	1	**Pori (Bjoerneborg)** — Finland
1429	209	—	**Ancona** — Italy
1429	209	2,5	**Bremen** — Germany: A. F. N.
1429	209	—	**Sorbonne** — France
1429	209	0,5	**Coimbra** — Portugal
1429	209	15	**Vienna** — Austria: U. S. Zone
1447	207	9	**Burgos EAJ 27** — Spain
1447	207	0,5	**Granada EAJ 16** — Spain
1447	207	0,5	**Borås** — Sweden
1447	207	0,2	**Kalmar** — Sweden
1456	206	2	**Kosice-Mesto** — Czechoslovakia
1456	206	1,5	**Lille II** — France
1356	206	1	**Clermont-Ennezat** — France
1456	206	0,05	**Sant Brieuc** — France
1465	204	0,2	**Anvers** — Belgium
1465	204	0,2	**Ghent** — Belgium
1465	204	0,2	**Limbourg** — Belgium
1474	203		**Synchroniced low power st.** Gt. B.
1483	202	0,2	**Courtrai** — Belgium
1492	201	0,3	**Namur** — Belgium
1492	201	0,25	**Hainaut** — Belgium
1492	201	0,2	**Halmstad** — Sweden
1492	201	5	**Mesina** — Italy
1492	201	5	**Venice II** — Italy
1492	201	0,2	**Syncronised low power** St. — Spain
1492	201	1	**Tampere (Tammerfors)** — Finland
1500	200	0,1	**Bremerhaven** — Germany: A. F. N.
1500	200	1	**Pietersaari (Jakobstad)** — Finland
1500	200	0,2	**Kristinehamn** — Sweden
1500	200	1	**Tirana** — Albania
1515	198	0,2	**Joenkoeping** — Sweden
1500	200	0,2	**Tammisaari (Ekenäs)** — Finland
1530	196	0,5	**Karlskrona** — Sweden
1522	197	10	**Vaasa (Vasa)** — Finland

ARAKO RADIO

A. KAARILL

MODTAGERE
LØSDELE
en gros

RAADHUSSTRÆDE 7 . KØBENHAVN K C. 7012, BYEN 1516

Standard-Frekvens Udsendelse.

I Bellsville i U. S. A. (39,02,20 N — 76,51,30 W) ligger "Bureau of Standards", der Døgnet rundt sender Standard Frekvenser til Hjælp for Frekvensberegninger, Justering af Modtagerens Skala, etc. Tillige sendes Tidssignaler, og to Gange i hver Time Døgnet rundt Signaler, der fortæller om der i de kommende 24 Timer vil antages at indtræffe Jonosfære-Forstyrrelser eller om Forholdene formenes vil forblive normale. Stationens Kaldesignal er **WWV.** De anvendte Tider og Frekvenser samt den udsendte Tones Frekvens er følgende:

2.5 mc 7.p.m.-9.a.m.	1 kW 440 cycles	
5.0 mc 7.p.m.-7.a.m.	10 kW 440 cycles	
5.0 mc 7.a.m.-p.m.7.	10 kW 440 og 4,000 cycles	konstant Tone
10.0 mc Døgnet rundt	10 kW 440 og 4,000 cycles	konstant Tone
15.0 mc Døgnet rundt	10 kW 440 og 4,000 cycles	konstant Tone
20.0 mc Døgnet rundt	0,1 kW 440 og 4,000 cycles	konstant Tone
25.0 mc Døgnet rundt	0,1 kW 440 og 4,000 cycles	konstant Tone
30.0 mc Døgnet rundt	0,1 kW 440 cycles	
35.0 mc Døgnet rundt	0,1 kW 440 cycles	

Udsendelserne ledsages af Sekundprikker undtagen det 59de Sekund. En konstant Tone lyder og gør det let at identificere Stationen. Hver halve og hele Time gives Kaldesignalet WWV i Morsetegn og pr. Phone. Nøjagtigheden for alle Frekvenser er indenfor $\frac{1}{50,000,000}$ og Sekundprikkernes Nøjagtighed ligger indenfor 0,000,001 Sekund. I hver Times 20de og 50de Minut sendes 6 Gange Bogstavet **W,** hvis der indenfor de kommende 24 Timer ventes Jonosfæreforstyrrelser, eller 8 Gange Bogstavet **N,** hvis Forholdene ventes at blive normale. Det er en stor Hjælp, der her gives Radiolytterne paa korte Bølger, og man kan som Regel altid fange Stationen, hvis man vælger den rigtige Frekvens efter det Tidspunkt man lytter. Prøv — og se hvor meget Deres Modtager viser forkert i Indstilling! I Dagtimerne er 10.0 mc sikkert den fordelagtigste at lytte ind paa, men prøv hvor mange De kan høre af dem alle 8, ved at vælge det rigtige Tidspunkt og hvis Deres Modtager dækker disse Omraader. Aften- og Nattimerne giver sikkert størst Udbytte. 5 mc høres godt i de tidlige Morgentimer.

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at finde Fejl i Modtageren og selv reparere denne

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KORTBØLGE-STATIONER

kc/s	Metres		kW	Station
2510	119.5	YDH	0,125	**Semarang** — Java
2600	115.3	YDD	0,25	**Batavia** — Java
2880	104.2	GRC	50,0	**London** — Gt. Britain
3024	99.20	YDA	5	**Bandoeng** — Java
3240	92.59	YDI	0,25	**Soerabaia** — Java
3310	90.63	YV1RO	0,63	**Trujillo** — Venezuela
3320	90.36		1,5	**Gwelo** — South Rhodesia
3330	90.09	YV6HE		**El Tigre** — Venezuela
3370	89.02	YV1RT	0,46	**Maracaibo** — Venezuela
3395	88.30		7,5	**Colombo** — Ceylon
3400	88.24	YV5RW	0,75	**Caracas** — Venezuela
3420	87.72	YV2RC	0,3	**Merida** — Venezuela
3430	87.48	YV4RK	0,3	**Maracay** — Venezuela
3440	87.21	YV1RU	0,7	**Maracaibo** — Venezuela
3450	86.97		5	**Johannesb. III** — S. Afr.
3450	86.96	YV6RH	1	**Barcelona** — Venezuela
3460	86.71	YV4RP	0,7	**Valencia** — Venezuela
3480	86.21	YV4RQ	0,6	**Puerto Cabellero** — Venez.
3480	86.21	ZG1		**Kingston**, Jamaica
3490	85.96	YV3RS	0,65	**Barquisimeto** — Venez.
3490	85.96	CR7AB	0,6	**Lourenco Marques** — Mozambique
3498	85.76	CR7I	0,1	**Beira** — Mozambique
3505	85.95	JVW-2	15	**Kawachi** — Japan
3505	85.59	YV5RX	1,75	**Caracas** — Venezuela
3515	85.34	YV6RH		**Barcelona** — Venezuela
3530	84.97	YV5RS	0,95	**Caracas** — Venezuela
3550	84.48	YV2RM		**San Christobal** — Venez.
3570	84.07	YV5RD		**Caracas** — Venezuela
3590	83.57	YV7RB		**Cumana** — Venezuela
3658	82.01	ZEA	1	**Salisbury** — S. Rhodesia
3800	78.95	ZEA	1	**Bulawayo** — S. Rhodesia
3914	76.60	ZQP	0,5	**Lusaka** — North Rhodesia
4020	74.63	HC1IM	0,25	**Ibarra** — Ecuador
4040	74.76	CSX2	1	**Ponta Delguda** — Azores
4290	69.63	COX7	5	**Havana** — Cuba
4373	68.60		0,2	**Johannesburg V** — S. Afr.
4412	68.00	YD12	3	**Soerabaja** — Java
4560	65.79	HC4FS		**Esmeralda** — Ecuador
4650	64.51	HC2AK		**Guayaquil** — Ecuador
4665	64.52	HHCA	0,2	**Port of Prince** — Haiti
4712	63.71	HC2ET	0,25	**Guayaquil** — Ecuador
4725	63.45	YU5RY	1	**Caracas** — Venezuela
4750	63.16	YV1RV	0,2	**Maracaibo** — Venezuela
4760	63.03	YV5RV	0,22	**La Guaira** — Venezuela
4765	62.96	HC4FA		**Portoviejo** — Ecuador
4770	62.89	YV1RY	0,21	**Coro** — Venezuela
4780	62.76	HJGB	2,5	**Bucaramanga** — Colom.
4780	62.76	HUB	0,3	**San Salvardor** — Salvador
4780	62.76	HC1PM	0,15	**Quito** — Equador
4780	62.76	YV4RO	0,2	**Valencia** — Venezuela
4780	62.76		10	**Singapore** — Malaya
4785	62.69	HJAN	5	**Barranquilla** — Colombia
4790	62.63	YV6RU	0,6	**Ciudad Bolivar** — Venez.
4795	62.57	HJDX	0,75	**Medellin** — Colombia
4797	62.54		0,2	**St. Denis** — Reunion
4800	62.52	YV1RX	2	**Maracaibo** — Venezuela
4800	62.5		5	**Johannesb. IV** — S. Africa
4805	62.45	HJDU	0,25	**Medellin** — Colombia
4810	62.37	YV1RL	0,2	**Maracaibo** — Venezuela
4815	62.30	HJBB	0,75	**Cucuta** — Colombia
4820	62.24	XEJG	0,2	**Guadalajara** — Mexico
4825	62.18		10	**Singapore** — Malaya
4825	62.18	XYE7	0,5	**Parnaiba** — Brazil
4825	62.18	HJED	1	**Cali** — Colombia
4830	62.11	YV2RN	1,3	**San Christobal** — Venez.
4830	62.11	EQD	1	**Teheran** — Iran
4840	62.00	YV1RZ	0,3	**Valera** — Venezuela
4840	61.98	VUC2	10	**Calcutta** — India
4845	61.92	YDP	0,5	**Medan** — Sumatra
4847	61.89	HJCF	1	**Bogota** — Colombia
4855	61.79	HJCA	1	**Bogota** — Colombia
4855	61.75	CR7BV	7,5	**Lourenco Marques** — Mozambique
4860	61.73	JKE2	5	**Yamata** — Japan
4864	61.68	PRC5	2	**Belem** — Brazil
4865	61.66	HJEX	1	**Cali** — Colombia
4870	61.60	YDD2	0.3	**Batavia** — Java
4874	61.55	HJFH	0,75	**Armenia** — Colombia
4878	61.50	ZID	0,5	**Pietermaritzb. II** — S. Afr.
4879	61.48	YV5RU	2	**Caracas** — Venezuela
4880	61.48	VUB2	10	**Bombay** — India
4885	61.41	HJDP	5	**Medellin** — Colombia
4885	61.41	VQ7LO	1,5	**Nairobi** — Kenya
4895	61.28	PRF6	2,5	**Manaos** — Brazil
4895	61.28	HJCH	0,75	**Bogota** — Colombia
4895	61.28		5	**Johannesburg III** —
4900	61.23	ZOH	11	**Colombo** — Ceylon
4900	61.23	HC2AJ	1	**Guayaquil** — Ecuador
4903	61.29	HIAG		**Baranquilla** — Colombia
4910	61.10	JKF	5	**Nazaki** — Japan
4915	61.04	ZOY	1,3	**Accra** — Gold Coast
4915	61.04	YV5RM	5	**Caracas** — Venezuela
				60 METRE BAND
4920	60.98	YV5RN	7,5	**Caracas** — Venezuela
4920	60.98	VUM2	10	**Madras** — India
4925	60.91	CR7BU	7,5	**Lourenzo Marques** — Mozambique
4925	60.91	HJAP	0,75	**Cartagena** — Colombia
4930	60.90	JKG-2	5	**Kawachi** — Japan
4945	60.66	HJCW	0,75	**Bogota** — Colombia
4950	60.60	ZQI		**Kingston** — Jamaica
4950	60.60	HC5HC		**Riobamba** — Ecuador
4955	60.54	HJCQ	2,5	**Bogota** — Colombia
4965	60.42	HJAE	0,75	**Cartagena** — Colombia
4960	60.48	VUD2	10	**Delhi** — India
4985	60.91	HCQRX	0,3	**Quito** — Ecuador
4990	60.12	YV3RN	4	**Barquisemeto** — Venez.
5060	59.28	YFA10	0,5	**Macassar** — Celebes
5200	57.70	YSCP	1	**S. Salvador** — El Salvad.
5330	56.20			**Yakutsk** — U. S. S. R.
5480	54.74	YCN	0,04	**Balikpapan** — Borneo
5620	53.38	ORX2A	0,25	**Trujillo** — Peru
5652	53.15			**Ashkabad** — U. S. S. R.
5660	53.00	HHCN	0.2	**Port-au-Prince** — Haiti
5725	52.40			**Magadan** — U. S. S. R.
5726	52.40	HC1PM	0,15	**Quito** — Ecuador
5750	52.18	PZH5		**Paramaribo** — Suriname
5800	51.72	CE8AA		**Santiago** — Chile
5875	51.06	TIGPH	1	**San José** — Costa Rica
5877	51.05	HRN	0,75	**Tegucigalpa** — Honduras
5880	51.02	CP15	0,35	**La Paz** — Bolivia
5880	51.00	ZRK	5	**Cape Town III** — S. Afr.
5889	50.94	OAX4Z	15	**Lima** — Peru
5900	50.85	ZNB	0,2	**Mafeking** — S. Africa
5907	50.79	OAX4V	0,5	**Lima** — Peru
5918	50.69		7,5	**Nanking** — China

kc/s	Metres		kW	Station
5940	50.51			**Khabarovsk** — U. S. S. R.
5942	50.49		1	**Godthaab** — Greenland
5948	50.44	HH2S	0,3	**Port-au-Prince** — Haiti
5960	50.30			**Ashkabad** — U. S. S. R.
5970	50.26	HCJB	0,3	**Quito** — Ecuador
5970	50.25	VONH	0,3	**St. Johns** — Newfoundl.
5970	50.25	HI2T	0,5	**Ciudad Trujiillo** — Dom.
5970	50.26	HVJ	50	**Vatican City** —
5980	50.16		25	**Andorra** — Principado de Andorra
5984	50.14	OAZ-4P	0,25	**Huancayo** — Peru
5985	50.13	LRS1	5	**Buenos Aires** — Arg.
6000	50.00	YSWW	0,2	**Santa Ana** — Salvador
6000	50.00	HS8PD	2,5	**Bangkok** — Siam
6000	50.00	HRA	0,5	**Tegucigalpa** — Honduras
6000	50.00		0,5	**Damascus** — Syria
6000	50.00	PRI3	5	**Belo Horizonte** — Brazil
6000	50.00	ZFY	1	**Georgetown** — Br. Guiana
6000	50.00		0,5	**Vorarlberg** — Austria:
6000	50.00	OAX4C	1	**Lima** — Peru
6000	50.00	HHYM	0,2	**Port au Prince** — Haiti
				49 METRE BAND
6005	49.96	HP5K	0,8	**Colon** — Rep. Panama
6005	49.96	HVJ	50	**Vatican City** —
6007	49.95	ZRH	5	**Johannesburg III** — S. A.
6010	49.92	COCO	5	**Havana** — Cuba
6010	49.92	VUD3	20	**Delhi** — India
6010	49.92	CJCX	1	**Sydney** — Nova Scotia
6010	49.92	CE6O1	5	**Antofagasta** — Chile
6010	49.92	OLR2A	30	**Podebrady** — Czechosl.
6010	49.92	GRB	50	**London** — Gt. Britain
6010	49.92	XEOJ	2,5	**Mexico City** — Mexico
6015	49.88	JKD	0,3	**Nazaki** — Japan
6016	49.87	PRA8	5	**Recife** — Brazil
6018	49.85	HJCX	0,75	**Bogota** — Colombia
6020	49.83	XEUQ	0,25	**Vera Cruz** — Mexico
6020	49.83		100	**Kiev** — U. S. S. R.
6020	49.83	OAX-4Q	1	**Lima** — Peru
6024	49.80	FXI	1,5	**Brazzaville** — Fr. Eq. A.
6025	49.79	HI1J	0,1	**San Pedro de Macoris** — Dominicana
6025	49.79		10	**Kuala Lumpua** — Malaya
6025	49.79	HC1TR		**Ibarra** — Ecuador
6025	49.79	PGD	5	**Huizen** — Holland
2026	49.78	CP37	0,25	**Oruro** — Bolivia
6030	49.75	OLR2B	30	**Podebrady** — Czechosl.
6030	49.75	XEKW	0,5	**Morelia** — Mexico
6030	49.75	HP5B	0,25	**Panama City** — Panama
6030	49.75	CFUP	0,2	**Calgary** — Canada
6030	49.75	HVJ	50	**Vatican City** —
6035	49.71		7,5	**Rangoon** — Burma
6035	49.71		0,3	**Monte Carlo** — Monaco
6035	49.71	GWS	50	**London** — Gt. Britain
6035	49.71	OAX6B	0,2	**Arequipa** — Peru
6035	49.71	CXA30	1	**Montevideo** — Uruguay
6040	49.67	COBF	1	**Havana** — Cuba
6040	49.67	WRUS	50	**Boston** — U. S. A.
6042	49.65	OAX6A	0,2	**Arequipa** — Peru
6045	49.63	XETW	0,1	**Tampico** — Mexico
6050	49.59	GSA	50	**London** — Gt. Britain
6055	49.55	CXAI4	1	**Colonia** — Uruguay
6055	49.55	OAX6E	0,3	**Arequipa** — Peru
6060	49.50	VQ7LO	1,5	**Nairobi** — Kenya
6060	4950	CKRZ	50	**Sackville** — Canada
6063	49.48	FIQA	5	**Tananarive** — Madagascar
6065	49.46	SBO	12	**Motala** — Sweden
6070	49.45		0,3	**M.E.F.S. Palestine**
6070	49.42		5	**Berlin** — Germany:
6070	49.42			**Petropavlosk** — U.S.S.R.
6070	49.42	GRR	50	**London** — Gt. Britain
6070	49.42	CFRX	1	**Toronto** — Canada
6075	49.38	CXA3	2,5	**Montevideo** — Uruguay
6075	49.38		7,5	**Colombo** — Ceylon
6078	49.33	HI-1X	0,7	**Ciudad Trujillo** — Dom.
6080	49.32	CKFX	0,01	**Vancouver** — Canada
6080	49.34		50	**Munich** — Germ. US. Z.
6080	49.34	HOFA	10	**Wellington** — New Zealand
6080	49.34	HI-3X		**Trujillo** — Dominicana
6085	49.30		50	**Busto Anzio IV** — Italy
6085	49.30	VP4RD	0,5	**Port of Spain** — Trinidad
6090	49.26	LRY1	5	**Buenos Aires** — Arg.
6090	49.26	CKOB	50	**Sackville** — Canada
6090	49.26	GWM	50	**London** — Gt. Britain
6090	49.26		5	**Luxembourg**
6092	49.25	CBFV	0,2	**Montreal** — Canada
6095	49.22	ZYB7	25	**Sao Paulo** — Brazil
6095	49.22	OAX4H	1	**Lima** — Peru
6100	49.18	KZBU	0,25	**Cebu** — Philipines
6100	49.18	WLKS	1	**Kuro (A.F.R.S.)** — Japan
6105	49.14	PRE9	5	**Fortaleza** — Brazil
6110	49.10	HJFB	1	**Manizales** — Colombia
6110	49.10	HJFB	50	**London** — Gt. Britain
6115	49.06	HJFK	25	**Pereira** — Colombia
6115	49.06	OLR2C	30	**Podebrady** — Czechosl.
6115	49.04		25	**Elmshorn** — Germ. Br. Z.
6120	49.02	LRX1	10	**Buenos Aires** — Arg.
6120	49.02		1,5	**Umtali** — S. Rhodesia
6120	49.02	OIX7	10	**Helsinki II** — Finland
6122	49.00	HP5H	0,5	**Panama City** — Panama
6125	48.98	GWA	50	**London** — Gt. Britain
6125	48.98	CXA4	10	**Montevideo** — Uruguay
6128	48.96	OAX-7A	1	**Cusco** — Peru
6130	48.94			**Moscow** — U. S. S. R.
6130	48.94	XUPB	0,5	**Amoy** — China
6130	48.94	CHNX	0,5	**Halifax** — Canada
6130	48.94	COCD	1	**Havana** — Cuba
6130	48.94	XEUZ	0,1	**Mexico City** — Mexico
6135	48.90	HC2SB		**Guayaquil** — Ecuador
6135	48.90	HNA	1	**Baghdad** — Iraq
6140	48.86	OAX8C	0,3	**Iquitos** — Peru
6140	48.86	XGOY	35	**Chungking** — China
6140	48.86	HI1R	0,2	**San Christobal** — Rep. Dominicana
6140	48.86	XEDP		**Mexico City** — Mexico
6140	48.86	KZRC	0,25	**Cebu** — Philipines
6145	48.82	HJDE	10	**Medellin** — Colombia
6145	48.82	LRR	10	**Santa Fe** — Argentina
6147	48.80	HI1G		**Trujillo** — Dominicana
6150	48.78	VLR2	2	**Melbourne** — Australia
6150	48.78	YV1RG		**Cabimas** — Venezuela
6150	48.78		10	**Beograd** — Yugoslavia
6150	48.78	TIRH	0,25	**San Jose** — Costa Rica
6150	48.78	YSPB	0,35	**S. Savaldor** — Salvador
6150	48.78	GRW	50	**London** — Gt. Britain
6150	48.78	CP12	0,25	**Sucre** — Bolivia
6150	48.78	CE615	5	**Valparaiso** — Chile
6150	48.78	EQB	7	**Teheran** — Iran
6155	48.74		0,3	**Vienna I** — Austria
6155	48.74	CS2WD	5	**Lisbon** — Portugal
6155	48.74	CXA13	10	**Montevideo** — Uruguay
6160	48.70	CHAC	50	**Sackville** — Canada
6160	48.70	HJCD	10	**Bogota** — Colombia
6160	48.70	CBRX	0,15	**Vancouver** — Canada
6160	48.70		1	**Munich** — Germany:
6165	48.66	TILS	1	**San José** — Costa Rica
6165	48.66	HHCM	0,1	**Port-au-Prince** — Haiti

kc/s	Metres		kW	Station
6165	48.66	GWK	50	**London** — Gt. Britain
6165	48.66	HER3	100	**Schwarzenburg** — Switzerland
6165	48.66		12	**Saigon** — Fr. Indochina
6170	48.62	CXA-21		**Montevideo** — Uruguay
6175	48.58	HI9T	0,1	**Puerto Plata** — Rep. Dominicana
6170	48.62	OAX4B	0,35	**Cerro de Pasco** — Peru
6170	48.62		5	**Manila** — Philippines
6170	48.62	OAX5E	0,3	**Chinca** — Peru
6170	48.62	CXA21	1	**Montevideo** — Uruguay
6170	48.62	OLR2D	30	**Podebray** — Czechosl.
6170	49.62	OAX6G	0,2	**Iquitos** — Peru
6175	48.58		0,08	**Dacia Romana** — Roum.
6175	48.58	XEXA	1	**Mexico City** — Mexico
6175	48.58		100	**Allouis** — France
6175	48.58	HI-9T		
6175	48.58	YSHQ	1,0	**San Salvador** — Salvador
6175	48.58	HOB	1	**Panama City** — Panama
6177	48.50		7	**Athens** — Greece
6180	48.54	HC1FM	0,25	**Ibarra** — Ecuador
6180	48.54		1	**Stuttgart** — Germany U. S. Z.
6180	48.54	TIRCC	0,3	**San José** — Costa Rica
6180	48.54	GRO	50	**London** — Gt. Britain
6180	48.54	LRM	10	**Mendoza** — Argentina
6185	48.50	XECC	0,05	**Puebla** — Mexico
6185	48.50	LL6	8	**Frederiksstad** — Norway
6187	48.48	HIL	0,06	**Santiago** — Dominicana
6190	48.47	HVJ	50	**Vatican City** —
6190	48.47		1	**Frankfurt** — Germany:
6195	48.43	GRN	50	**London** — Gt. Britain
6196	48.42	HI1A	0,08	**Santiago** — Dominicana
6197	48.71	OAX1B	0,4	**Piura** — Peru
6200	48.39	HJCT	10	**Bogota** — Colombia
6200	48.39		1,0	**Tangier** — Tangier
6200	48.39		100	**Allouis** — France
6200	48.39	CP5	0,5	**La Paz** — Bolivia
6205	48.35	YV6RD		**Barzelona** — Venezuela
6208	48.32	FK8AA	0,3	**Noumea** — New Caledonia
6210	48.31	HCIAC	0,5	**Quito** — Ecuador
6215	48.25	SP13	7,5	**Warsaw III** — Poland
6220	48.23	OAX4L	0,25	**Lima,** — Peru
6220	48.23			**Saratov** — U. S. S. R.
6220	48.23	CE622	5	**Santiago de Chile** — Chile
6225	48.19	HJFB	4,5	**Manizales** — Colombia
6235	48.12	HRD2	0,2	**La Ceiba** — Honduras
6240	48.08	HCJB	1,0	**Quito** — Ecuador
6240	48.08	HJCF	0,75	**Bogota** — Colombia
6246	48.04	HI1N	0,7	**Ciudad Trujillo** — Rep. Dominicana
6250	48.00	YSUA	0,2	**Cincuenta** — Salvador
6257	47.95		3	**Korca** — Albania
6265	47.88	YSR	1,0	**San Salvador** —
6274	47.81	ZPAI	3	**Asuncion** — Paraguay
6295	47.66	TGLA	0,2	**Retalhulen** — Guatemala
6295	47.65	OTM1	3	**Leopoldville** — B. Congo
6312	47.52	HI1Z	0,2	**Trujillo** — Dominicana
6315	47.50	OAX4M	0,25	**Lima** — Peru
6321	47.46		1	**Baden-Baden** — Germany: French Zone
6327	47.43	COCW	1	**Havana** — Cuba
6333	47.38	OAX6E	0,3	**Areguita** — Peru
6350	47.24	HRP1	0,1	**San Pedro** — Rep. Honduras
6374	47.06	CSX	0,5	**Barcarene** — Portugal
6383	47.00	HI9B	0,2	**Santiago** — Dominicana
6401	46.85	TGQA	0,3	**Guatemala City** — Guatemala
6404	46.86	XPRA	1,5	**Kumning** — China
6405	46.88	CR4AA	1	**Praia** — Cap Verde
6410	46.80	OAX4G	0,25	**Lima** — Peru
6432	46.73	HI1R	0,2	**San Cristobal** — Rep. Dominicana
6440	46.60	TGWB	1	**Guatemala City** — Guatemala
6450	46.51	COHJ	5	**Sante Clara** — Cuba
6485	46.26			**Batum** — U. S. S. R.
6497	46.19	TGOA	0,2	**Guatemala City** — Guatemala
6550	45.80	YNBH	0,1	**Managua** — Nicaragua
6630	45.32	TG2	0,3	**Guatemala City** — Guatemala
6630	45.25	HIT	0,1	**Trujillo** — Dominicana
6635	45.21	HC2RL	0,1	**Guayaquil** — Ecuador
6650	45.11	YCN-2	0,125	**Balikpapan** — Borneo
6690	44.84			**Moscow** — U. S. S. R.
6700	44.78	OAX1A	0,25	**Chiclayo** — Peru
6700	44.78	TIEP	1	**San José** — Costa Rica
6715	44.68	YVMA	0,2	**Managua** — Nicaragua
6730	44.59	HI3C	0,03	**Trujillo** — Dominicana
6748	44.50	PMA2	0,18	**Bandoeng** — Java
6760	44.38	YNVP	1	**Managua** — Nicaragua
6770	44.31	CP49	0,5	**La Paz** — Bolivia
6770	44.31		7,5	**Singapore** — Malaya
6785	44.21	HI2A	0,25	**Santiago** — Dominicana
6835	43.94	YVOW	0,25	**Managua** — Nicaragua
6870	43.67	HC4AB		**Manta** — Ecuador
6910	43.42	ZSC8	25	**Rio de Janeiro** — Brazil
6910	43.41	YNQ	0,15	**Managua** — Nicaragua
6917	43.37	FZK6	0,5	**Dakar** — Senegal

41 METRE BAND

kc/s	Metres		kW	Station
6980	42.98	FO8AA	0,1	**Papeete** — Tahiti
6990	42.92	HCIUT		**Amoato** — Ecuador
7000	42.85	FZI	0,8	**Brazzaville** — Fr. Eq. Af.
7006	42.83	JKA	5	**Nazaki** — Japan
7006	42.83	EAJ47	0,2	**Valladolid** — Spain
7012	42.79	EAJ9	0,2	**Malaga** — Spain
7015	42.76	CSX2	1	**Ponta Delgada** — Acores
7034	42.65	HC1MI	0,25	**Quito** — Equador
7037	42.63		3,0	**Mediterraneo** — Spain
7040	42.61	YSI	0,1	**San Salvador** — Salvador
7050	42.56	EA19	0,2	**Malaga** — Spain
7062	42.48	HNA	0,5	**Baghdad** — Iraq
7070	42.43		0,2	**Manama** — Bahrein Isl.
7075	42.40	GRS	50	**London** — Gt. Britain
7077	42.37	V3USE	0,05	**Port Louis** — Mauritius
7080	42.37		1	**Radio Africa** — Tangier
7092	42.30	HNA	1	**Baghdad** — Iraq
7100	42.25	YDA3	0,18	**Bandoeng** — Java
7100	42.25	EAJ7	0,2	**Cuenca** — Spain
7100	42.25	XPPA	10	**Kuichow** — China
7120	42.13	GRM	50	**London** — Gt. Britain
7120	42.13	VQ6MY	1	**Hargeisa** — Br. Somaliland
7143	42.00	V3USE	0,05	**Forest Side** — Mauritius
7150	41.96	GRT	50	**London** — Gt. Britain
7153	41.94	XGOY	10	**Chunking** — China
7155	41.93	CR7IB	0,3	**Beira** — Mozambique
7160	41.87			**U. S. S. R.**
7165	41.88	HI8Z	0,2	**Santiago** — Dominicana
7165	41.87		0,05	**Malanga** — Angola
7170	41.84		0,2	**St. Denis** — Reunion
7175	41.80		0,25	**Vienna II** — Austria U, S. S. R.
7177	41.80	CR6AA	1	**Lobito** — Angola
7185	41.75	GRK	50	**London** — Gt. Britain

kc/s	Metres		kW	Station
7190	41.72			**U. S. S. R.**
7191	41.74	EDV10	1	**S. E. U.** — Spain
7200	41.66		10	**Singapore** — Malaya
7200	41.67			**U. S. S. R.**
7200	41.66	HC2CM	0,2	**Guayaquill** — Ecuador
7200	41.67	YDP2	0,12	**Medan** — Sumatra
7205	41.64	HI9U	0,1	**Puerto Plata** — Rep. Dominicana
7210	41.61	GVL	50	**London** — Gt. Britain
7210	41.61	VUD10	20	**Delhi** — India
7210	41.61	VUC2	10	**Calcutta** — India
7210	41.61	FZK6	0,5	**Dakar** — Senegal
7210	41.61	HEI3	25	**Schwarzenburg** — Switzerland
7210	41.62	LLS	8	**Tromsø** — Norway
7220	41.55	XUPA	3	**Taiwan** — China
7220	41		0,4	**Salzburg** — Austria US Z.
7220	41.55	ZQP	5	**Lusaka** — N. Rhodesia Rep. Dominicana
7230	41.49	GSW	50	**London** — Gt. Britain
7240	41.44	EA9AH	0,1	**Tetuan** — Sp. Morocco
7240	41.44	VLQ	10	**Brisbane** — Australia
7240	41.44	VUB2	10	**Bombay** — India
7240	41.44		100	**Realtort** — France
7250	41.38	GWI	50	**London** — Gt. Britain
7250	41.38	HVJ	50	**Vatican City** —
7250	41.38		85	**Munich** — Germany US Z.
7250	41.38	PJC2	1	**Rome** — Italy
7250	41.38	PJC2	3	**Willemstad** — Curacao
7257	41.34	JKC	5	**Yamata** — Japan
7260	41.32	GSU	50	**London** — Gt. Britain
7260	41.32	VUM2	10	**Madras** — India
7265	41.30	HC1BF	0,3	**Quito** — Ecuador
7267	41.28	EA8AB	0,5	**Santa Cruz de Tenerife** — Canary Islands
7270	41.26		1	**Rome** — Italy
7270	41.26			**U. S. S. R.**
7270	41.27	YDB3	1	**Batavia** — Java
7270	41.27		100	**Allouis** — France
7275	41.24	H12T	7,5	**Trujillo** — Dominicana
7280	41.21	GWN	50	**London** — Gt. Britain
7280	41.21	VLC8	50	**Shepparton** — Australia
7280	41.21		100	**Allouis** — France
7280	41.21	HVI	50	**Vatican City** —
7280	41.21	VLA	100	**Shepparton** — Australia
7290	41.15	VUD2	10	**Delhi** — India
7290	41.15	VUD11	20	**Delhi** — India
7290	41.15	VUD5	100	**Delhi** — India..
7290	41.15		85	**Munich I** — Germany:
7290	41.15			**U. S. S. R.**
7295	41.11	ZOY	1,3	**Accra** — Cold Coast
7299	41.10	CR6RA	1	**Luanda** — Angola
7300	41.10	HC2AX	0,15	**Vinces** — Ecuador
7300	41.10			**U. S. S. R.**
7300	41.10		7	**Athens** — Greece
7310	41.04			**U. S. S. R.**
7312	41.03	YSN	1	**S. Salvador** — El Salvad.
7317	41.00	JD12	1	**Soerabaja** — Java
7320	49.98	GRJ	59	**London** — Gt. Britain
7320	40.98			**U. S. S. R.**
7330	40.93			**U. S. S. R.**
7340	40.87			**U. S. S. R.**
7350	40.81	HC2AN		**Guayoquel** — Ecuador
7360	40.76			**U. S. S. R.**
7380	40.65	HEU3	25	**Schwarzenburg** — Switzerland
7385	40.83			**Sanaa** — Yemen
7390	40.60			**U. S. S. R.**
7400	40.54	YVKC	10	**Caracas** — Venezuela
7412	40.46	YNAO		**Managua** — Nicaragua
7430	40.38			**Leningrad** — U. S. S. R.
7447	40.29	FG8HA	0,1	**Basse Terre** — Guadeloupe
7490	40.00			**Tillis** — U. S. S. R.
7500	40.00		0,5	**Damascus** — Syria
7502	39.99	YNFT	0,1	**Granada** — Nicaragua
7615	39.53	YNLAT	0,2	**Granada** — Rep. Nicaragua
7660	39.17	YNDG	0,1	**Leon** — Nicaragua
7670	39.11		5	**Sofia** — Bulgaria
7700	38.96	ZM2AP	2	**Apia** — Samoa
7785	39.00			**U. S. S. R.**
7850	38.22		3,0	**Tirana** — Albania
7867	38.13	SUX	10	**Cairo** — Egypt
7874	38.10	HC1GP	0,25	**Quito** — Ecuador
7930	37.83	HLKA		**Seoul** — Korea
7940	37.78		1,2	**Alicante** — Spain
7948	37.75	CQM	1	**Bissau** — Port. Guinea
7950	37.74	FIA6	0,6	**Douala** — Fr. Cameroon
7995	37.52	PMB2	3	**Bandoeng** — Java
8010	37.45	YNS		**Managua** — Nicaragua
8036	37.34		2,5	**Beyrouth** — Lebanon
8090	37.08	YCN3	0,25	**Balikpapan** — Borneo
8150	36.80	YNWW		**Managua** — Nicaragua
8190	36.61	YNXW		**Managua** — Nicaragua
8216	36.50		3	**Shkodra** — Albania
8404	35.70	YD12	0,20	**Soerabaja** — Java
8470	35.42	XPSA	10	**Kuichow** — China
8666	34.62	COJK	1	**Havana** — Cuba
8700	34.48	COCO	5	**Havana** — Cuba
8800	34.10		100	**Atlantica** — Spain
8820	34.00			**Khabarovsk** — U. S. S. R.
8825	33.92	COCQ	5	**Havana** — Cuba
8910	33.67	PLA8	3	**Batavia** — Java
8960	33.48	COKG	1,2	**Havana** — Cuba
9026	33.24	COBZ	1	**Havana** — Cuba
9082	33.03	CNR3	2,5	**Casablanca** — Fr. Mar.
9165	32.73	CR6RB	0,15	**Benguela** — Angola
9200	32.60	CE920		**Punto Arenas** — Chile
9225	32.54	H12G	0,1	**Trujillo** — Dominicane
9235	32.49	CR8AA	0,5	**Macau** — Macao
9235	32.49	COBQ	1	**Havana** — Cuba
9250	32.43	YSF	1	**San Salvador** — Salvador
9250	32.43	HCJB	1	**Quito** — Colombia
9250	32.43		4	**Dacia Romana** — Rumania
9273	32.33	COCX	1	**Havana** — Cuba
9310	32.22		5	**Sofia** — Bulgaria
9320	32.21	LRS	5	**B. Aires** — Argentina
9330	32.15		25	**Andorra** — Principado de Andorra
9330	32.15	OAX4J	0,25	**Lima** — Peru
9350	32.09		5	**Rodina** — Bulgaria
9357	32.06	YFA9	10	**Macassar** — Celebes
9355	32.05	HCBT	0,25	**Quito** — Ecuador
9380	30.92	COBC	1	**Havana** — Cuba
9339	32.02		40	**Madrid Arganda** — Spain

31 METRE BAND

kc/s	Metres		kW	Station
9380	31.98	OAX4W	0,5	**Lima** — Peru
9380	31.98	OTM2	7,5	**Leopoldville** — B. Congo
9398	31.92			**Sofia** — Bulgaria
9410	31.88	GRI	50	**London** — Gt. Britain
9420	31.85		50	**Beograd** — Yugoslavia
9430	31.81	CP21	0,27	**Sucre** — Bolivia
9436	31.80			**U. S. S. R.**
9437	31.80	COCH	5	**Havana** — Cuba
9440	31.78	FZ1	7	**Brazzaville** — Fr. Eq. Afr.

kc/s	Metres		kW	Station
9465	31.70	TAP	20	**Ankara** — Turkey
9467	31.71	OTC2	50	**Leopoldville** — B. Congo
9475	31.66	CR6RN	1	**Luanda** — Angola
9495	31.59	CP38	5	**La Paz** — Bolivia
9500	31.58	XKPB	0,2	**Shansi** — China
9500	3158			**U. S. S. R.**
9500	31.58	OIX2	15	**Lahti** — Finland
9500	31.58	KZPI	0,25	**Manila** — Philippines
9500	31.58	XEWW	25	**Mexico City** — Mexico
9505	31.57	PRL7	50	**Rio de Janeiro** — Brazil
9505	31.56	OLR3B	30	**Podebrady** — Czechosl.
9505	31.56	YUC/D	4	**Beograd** — Yugoslavia
9505	31.56	HOLA	0,25	**Colon** — Rep. Panama
9510	33.55	GSB	50	**London** — Gt. Britain
9515	31.53		100	**Allouis** — France
9520	31.52	VLW7	2	**Perth** — Australia
9520	31.51	OZF	50	**Copenhagen** — Denmark
9520	31.51		100	**Allouis** — France
9520	31.51		100	**Colombo** — Ceylon
9520	31.51	OAX4K	0,25	**Lima** — Peru
9523	31.51		5	**Johannesburg III** — S. Africa
9525	31.49	ZBW3	1	**Hongkong** — China
9525	31.50	GWJ	59	**London** — Gt. Britain
9528	31.49		5	**Luxembourg**
9530	31.48	VUC2	10	**Calcutta** — India
9530	31.48	WGED	50	**Schenectady** — U. S. A.
9535	31.46	SBU	12	**Motala** — Sweden
9535	31.46	HER4	100	**Schwarzenburg** — Switzerland
9540	31.45	VI9AJ	0,25	**Edmonton** — Canada
9540	31.45		85	**Munich IIII** — Germany
9540	31.44		7,5	**Rangoon** — Burma
9540	31.45			**U. S. S. R.**
9540	31.45	VLB	100	**Shepparton** — Australia
9540	31.45	VLR	2	**Melbourne** — Australia
9540	31.45	VLG2	10	**Lyndhurst** — Australia
9540	31.45	VLC5	50	**Shepparton** — Australia
9540	31.45		100	**Allouis** — France
9540	31.45	ZL2	10	**Wellington** — N. Zealand
9540	31.45	LKJ	5	**Oslo** — Norway
9545	31.43	XEFT	0,25	**Vera Cruz** — Mexico
9545	31.44	LRY	5	**Belgrano** — Argentina
9550	31.41	OLR3A	30	**Podebrady** — Czechosl.
9550	31.41	GWB	59	**London** — Gt. Britain
9550	31.41		100	**Allouis** — France
9550	31.41	VUB2	10	**Bombay** — India
9550	31.41	YDD3	3	**Batavia** — Java
9550	31.41	HVJ	50	**Vatican City** —
9560	31.38	JVW4	5	**Kawachi** — Japan
9555	31.40	XETT	0,5	**Mexico City** — Mexico
9560	31.38	TPB12	100	**Les Essarts** — France
9562	31.37	OAX4T	10	**Lima** — Peru
9563	31.37		1	**Vienna** — Austria
9565	31.36			**U. S. S. R.**
9570	31.35		100	**Allouis** — France
9570	31.35	KWID	100	**San Francisco** — U. S. A.
9570	31.35	WRUW	50	**Boston** — U. S. A.
9570	31.34		10	**Algiers III** — Algeria
9580	31.32	VLG	10	**Melbourne** — Australia
9580	31.32	VLH3	10	**Lyndhurst** — Australia
9580	31.32	GSC	59	**London** — Gt. Britain
9585	31.30		100	**Allouis** — France
9585	31.30	CE960	1,2	**Santiago de Chile** — Chile
9590	31.30	VUD5	100	**Delhi** — India
9590	31.30	VUM2	10	**Madras** — India
9590	31.28	PCJ	40	**Huizen** — Holland
9595	31.27		1,5	**Athlone** — Eire
9595	31.27			**U. S. S. R.**
9600	31.25	XEYU	0,25	**Mexico City** — Mexico
9600	31.25	GRY	59	**London** — Gt. Britain
9600	31.25			**U. S. S. R.**
9605	31.24	JKE	5	**Yamata** — Japan
9607	31.23	HP5J	0,5	**Panama City** — Panama
9610	31.20		5	**Cape-Town** — S. Africa
9610	31.22			**U. S. S. R.**
9610	31.22	VLW5	2	**Perth** — Australia
9610	31.22	LLG	100	**Frederiksstad** — Norway
9610	31.22	CHLS	50	**Sackville** — Canada
9610	31.22	XERQ	5	**Mexico City** — Mexico
9615	31.20	VYB9	100	**Shepparton** — Australia
9615	31.20	VLC6	50	**Shepparton** — Australia
9615	31.20	VLA2	100	**Shepparton** — Australia
9615	31.20	TIPG	3	**San José** — Costa Rica
9620	31.19		1	**Addis Ababa** — Ethiopia
9620	31.19		25	**Realtort** — France
9620	31.19	CXA6	20	**Montevideo** — Uruguay
9625	31.17	GWO	59	**London** — Gt. Britain
9625	31.17	HAT4	50	**Budapest** — Hungary
9625	31.17	XEBT	10	**Mexico City** — Mexico
9625	31.17	VP4RD	0,5	**Port of Spain** — Trinidad
9630	31.15	CP12	0,25	**Sucre** — Bolivia
9630	31.15	VUD10	20	**Delhi** — India
9630	31.15	VUD2	10	**Delhi** — India
9630	31.15	CKLO	50	**Sackville** — Canada
9630	31.15		50	**Busto Arsizio I** — Italy
9640	31.12	CHMD	50	**Sackville** — Canada
9640	31.12	COX	5	**Havana** — Cuba
9640	31.12	GVZ	50	**London** — Gt. Britain
9640	31.12	CXA8	3	**Montevideo** — Uruguay
9640	31.12	YVKC	50	**Caracas** — Venezuela
9640	31.12	KZRH	1	**Manila** — Philippines
9650	31.09	WCBN	50	**Brentwood** — U. S. A.
9650	30.09		0,45	**Khartoum** — Sudan
9650	31.09	KNBA	50	**Dixon** — U. S. A.
9650	31.09			**U. S. S. R.**
9653	31.08	CR7BI	10	**Lourence Marques** — Mozambique
9655	31.07	HED6	50	**Schwarzenburg** — Switzerland
9655	31.07	JKF	5	**Nazaki** — Japan
9658	31.06	XGOY	35	**Chunking** — China
9660	31.06	LRX	7	**Buenos Tires** — Arg.
9660	31.06	VLQ3	10	**Brisbane** — Australia
9660	31.06	HOXC	0,5	**Panama City** — Panama
9660	31.06	GWP	50	**London** — Gt. Britain
9660	31.06	VUD11	20	**Delhi** — India
9660	31.06	HHBM	1	**Port-au-Prince** — Haiti
9660	31.06	HVJ4	50	**Vatican City** —
9664	31.04		0,2	**Vienna III** — Austria U. S. S. R. Z.
9670	31.02	VUD3	50	**Delhi** — India
9670	30.83		1	**Leipzig** — Germany
9670	31.02	OLR3L	34	**Podebrady** — Czechosl.
9675	31.01	GWT	50	**London** — Gt. Britain
9675	31.01		25	**Realtort** — France
9680	30.99	VLA3	100	**Shepparton** — Australia
9680	30.99	VLB2	100	**Shepparton** — Australia
9680	30.99	VLG8	10	**Lyndhurst** — Australia
9680	30.99	VLC2	50	**Shepparton** — Australia
9680	30.99	XEQQ	1	**Mexico City** — Mexico
9680	30.99	EQC	7	**Teheran** — Iran
9685	30.98		100	**Allouis** — France
9690	30.96	LRA1	10	**Buenos Aires** — Arg.
9690	30.96	HJCAB	1	**Bogota** — Colombia
9690	30.96	GRX	50	**London** — Gt. Britain
9690	30.96	KZOK	0,25	**Manila** — Philippines

kc/s	Metres		kW	Station
9692	30.95	FIQA	0,3	**Tananarive** — Madagascar
9693	30.96	TIRNH	0,75	**Heredia** — Costa Rica
9695	30.95	JKG	5	**Kawachi** — Japan
9700	30.93	CP25	0,25	**La Paz** — Bolivia
9700	30.93	WLWS	75	**Cincinnati** — U. S. A.
9700	30.93	FNRI	2,5	**Fort-de-France** — Martinique
9705	30.91	ZOP	1,5	**Lusaka** — N. Rhodesia
9715	30.88	CR7BE	10	**Lourence Marques** — Mozambique
9720	30.86	PRL7	50	**Rio de Janeiro** — Brazil
9720	30.86	CSW7	10	**Barcarene** — Portugal
9720	30.86	XGOA	2	**Nanking** — China
9728	30.84	CE970	5	**Valparaiso** — Chile
9735	30.83	H12T	0,5	**Trujillo** — Dominicana
9740	30.80			**Moscow** — U. S. S. R
9750	30.77	KNBI	50	**Delano** — U. S. A.
9750	30.77		75	**Cincinnati** — U. S.A.
9750	30.77	XNRA	1	**Lanchow** — China
9760	30.74	TGWA	10	**Guatemala City** — Guatemala
9760	30.73			**U. S. S. R.**
9780	30.67			**U. S. S. R.**
9790	30.64			**U. S. S. R.**
9800	30.61			**U. S. S. R.**
9815	30.51	OAX-5C	0,15	**Ica** — Peru
9825	30.53	GRH	50	**London** — Gt. Britain
9833	30.51	COBL	1	**Havana** — Cuba
9868	30.40	XGOE	0,1	**Kwangsi** — China
9870	30.40		1	**Johannesburg IV** — S. Africa
9880	30.36			**U. S. S. R.**
9915	30.26	GRU	50	**London** — Gt. Britain
9915	30.26			**U. S. S. R.**
9958	30.12	HCJB	1	**Quito** — Ecuador
9964	30.72	FZI	1,5	**Brazzaville** — Fr. Eq. Af.
10000	30.00	XGOL	0,2	**Foochow** — China
10000	30.00	XUPA	0,3	**Fukien** — China
10055	29.83	SUX	10	**Cairo** — Egypt
10060	29.82	PMB3	3	**Bandoeng** — Java
10080	29.76	YVKC	50	**Caracas** — Venezuela
10130	29.60	HH3W	0,5	**Port-au-Prince** — Haiti
10260	29.25	XRRA	10	**Peiping** — China
10365	28.94	PLB4	3	**Batavia** — Java
10600	28.30	ZIK2	0,2	**Belize** — Br. Honduras
10615	28.26	FJQA	0,25	**Tananarive** — Madagascar
10780	27.83	SDB2	12	**Motala** — Sweden
11030	27.20	YDH2	0,45	**Semarang** — Java
11035	27.17	CSW6	10	**Bacarene** — Portugal
11035	27.18	CR6RA	0,25	**Luanda** — Angola

25 METRE BAND

kc/s	Metres		kW	Station
11500	26.09	XLRA	1	**Hankow** — China
11600	26.70		100	**Atlantica** — Spain
11630	25.79			**U. S. S. R.**
11650	25.74	XTPA	1	**Canton** — China
11680	25.68	GRG	50	**London** — Gt. Britain
11685	25.67		50	**Vatican City** — Italy
11690	25.66	XORA	5	**Shanghai** — China
11700	25.64	HP5A	0,5	**Panama City** — Panama
11700	25.64	GVW	50	**London** — Gt. Britain
11700	25.64	TPC22	100	**Allouis** — France
11705	25.63	CKXA	50	**Sackville** — Canada
11705	25.63	SBP	12	**Motala** — Sweden
11710	25.62	VLG3	10	**Lyndhurst** — Australia
11710	25.62		5	**Johannesburg III** —
11710	25.62			**U. S. S. R.**
11710	25.62	WLWR	75	**Cincinnati** — U. S. A.
11712	25.61	FHE3	12	**Dakar** — Senegal
11715	25.61	HEI5	25	**Schwarzenburg** — Switzerland
11720	25.60	OTM4	7,5	**Leopoldville** — B. Congo
11720	25.60	PRL8	50	**Rio de Janeiro** — Brazil
11720	25.60	CHOL	50	**Sachville** — Canada
11720	25.60		100	**Allouis** — France
11720	25.60			**U. S. S. R.**
11730	25.58	GVV	50	**London** — Gt. Britain
11730	25.57	PHI	5	**Huizen** — Holland
11730	25.58		100	**Allouis** — France
11730	25.58	KGEX	50	**Belmont** — U. S. A.
11730	25.58	WRUL	50	**Boston** — U. S. A.
11730	25.58	CR6RC	0,15	**Luanda** — Angola
11730	25.58	CE1173	5	**Santiago de Chile** — Chile
11735	25.56		10	**Beograd** — Yugoslav
11735	25.56	LKQ	8	**Frederiksstad** — Norway
11735	25.56		7,5	**Singapore** — Malaya
11735	25.56	CXA7	5	**Montevideo** — Uruguay
11740	25.55		1,5	**Athlone** — Eire
11740	25.55	VLB10	100	**Shepparton** — Australia
11740	25.55			**U. S. S. R.**
11740	25.55	HVJ	50	**Vatican City** —
11740	25.48	COCY	5	**Havana** — Cuba
11740	25.55	CE1174	5	**Santiago** — Chile
11750	25.53	GSD	50	**London** — Gt. Britain
11750	25.53			**U. S. S. R.**
11760	25.51	VLB3	100	**Shepparton** — Australia
11760	25.51	VLG10	10	**Lyndhurst** — Australia
11760	25.51	OLR4B	30	**Podebrady** — Czechosl.
11760	25.51	VLC3	50	**Shepparton** — Australia
11760	25.51			**U. S. S. R.**
11760	25.51	VUD11	20	**Delhi** — India
11760	25.51	VLA8	100	**Shepparton** — Australia
11760	25.51	CKRA	50	**Sackville** — Canada
11765	25.50	ZYB8	25	**Sao Paulo** — Brazil
11770	25.49	VLA4	100	**Shepparton** — Australia
11770	25.49	GVU	50	**London** — Gt. Britain
11770	25.49	KNBI	50	**Dixon** — U. S. A.
11770	25.49	WGEO	50	**Schenectady** — U. S. A.
11770	25.49	YDE1	3	**Batavia** — Java
11770	25.49	VLB3	100	**Shepparton** — Australia
11780	25.47		12	**Saigon** — Fr. Indo China
11780	25.47	XENN	1	**Mexico City** — Mexico
11780	25.47	ZL3	10	**Wellington** — N. Zealand
11780	25.47	HP5G	0,8	**Panama City** — Panama
11780	25.47			**U. S. S. R.**
11782	25.46		5	**Luxembourg**
11785	25.45		0,2	**Vienna IV** — Austria U. S. S. R. Z.
11790	25.45	KNBX	50	**Dixon** — U. S. A.
11790	25.45	WRUS	50	**Boston** — U. S. A.
11790	25.45	WLWO	75	**Cincinnati** — U. S. A.
11800	25.42	GWH	50	**London** — Gt. Britain
11805	25.41	HC2FW	1	**Guayaquil** — Ecuador
11810	25.40		50	**Busto Arsizio II** — Italy
11810	25.40	VLB4	100	**Shepparton** — Australia
11810	25.40	VLC7	50	**Shepparton** — Australia
11815	25.40	HEU5	25	**Schwarzenburg** — Switzerland
11820	25.38	GSN	50	**London** — Gt. Britain
11820	25.38	XEBR	0,15	**Hermosillo** — Mexico
11830	25.36	VLW3	2	**Perth** — Australia
11830	25.36	WCDA	50	**Brentwood** — U. S. A.
11830	25.36			**U. S. S. R.**
11835	25.36	XGOA	7,5	**Nanking** — China
11835	25.35	THA5	10	**Algier III** — Algeria

kc/s	Metres		kW	Station
11835	25.35	CXA19	5	**Montevideo** — Uruguay
11840	25.34	VLG4	10	**Lyndhurst** — Apstralia
11840	25.34	VLC7	50	**Shepparton** — Australia
11840	25.34	OLR4A	30	**Podebrady** — Czechosl.
11840	25.34		5	**Manila** — Philippines
11840	25.34	GWQ	50	**London** — Gt. Britain
11840	25.34	LRS-2	5	**Buenos Aires** — Arg.
11845	25.33		25	**Muret** — France
11850	25.32		1	**Benghasi** — Cyrenaika
11850	25.32	CE1185	5	**Santiago de Chile** — Chile
11850	25.32	HJCF	2,5	**Bogota** — Colombia
11850	25.32	LLK	8	**Frederiksstad** — Norway
11860	25.30	GSE	50	**London** — Gt. Britain
11865	25.28	HER5	100	**Schwarzenburg** — Switzerland
11870	25.27	VUD9	7,5	**Delhi** — India
11870	25.37	ZPA3	1	**Asuncion** — Paraguay
11870	25.27	VLC3	50	**Shepparton** — Australia
11870	25.27		100	**Allouis** — France
11870	25.27		85	**Munich I** — Germany
11875	25.26	OLR4C	34	**Podebrady** — Czechosl.
11875	25.26			**U. S. S. R.**
11880	25.25	LRR	10	**Santa Fé** — Argentina
11880	25.25	VLG5	10	**Lyndhurst** — Australia
11880	25.25	VLH4	10	**Lyndhurst** — Australia
11880	25.25			**U. S. S. R.**
11880	25.25	VLR3	2	**Melbourne** — Australia
11880	25.25	XEHH	0,25	**Mexico City** — Mexico
11885	25.24		25	**Muret** — France
11890	25.23		50	**Manila** — Philippines
11890	25.23			**U. S. S. R.**
11900	25.21	HI-2T	7,5	**Trujillo** — Dominicana
11900	25.21	CXA10	20	**Montevideo** — Uruguay
11900	25.21	VLG9	10	**Lyndhurst** — Australia
11900	25.21	CKEX	50	**Sackville** — Canada
11900	25.21			**U. S. S. R.**
11900	25.21	CB1190	5	**Valparaiso** — Chile
11900	25.21	OLR4B	30	**Podebrady** — Czechosl.
11900	25.21		0,075	**Dacia Romana** — Rumania
11913	25.21	XGOY	35	**Chungking** — China
11930	25.15	GVX	50	**London** — Gt. Britain
11950	25.10			**U. S. S. R.**
11950	25.10	ZPA5	5	**Encarnacion** — Parag.
11955	25.09	GVY	50	**London** — Gt. Britain
11960	25.08			**U. S. S. R.**
11970	25.06	FZ1	50	**Brazzaville** — Fr. Eq. Af.
11998	25.00	CB1180	5	**Santiago** — Chile
12000	2:.00		0,5	**Damascus** — Syria
12020	24.96			**U. S. S. R.**
12120	24.75	XOPB	0,4	**Chekiang** — China
12040	24.92	GRV	50	**London** — Gt. Britain
12000	25.00	YDF3	1	**Soerabaja** — Java
12095	24.80	GRF	50	**London** — Gt. Britain
12220	24.55	XMPA	1	**Nanking** — China
12235	24.64	TFJ	7	**Reykjavik** — Iceland
12270	24.45	CE1227		**Punto Arenas** — Chile
12270	24.45			**U. S. S. R.**
12370	24.25			**U. S. S. R.**
12455	24.09	HCJB	10	**Quito** — Ecuador
12749	23.52	CSX	0,5	**Barcarene** — Portugal
12865	23.32	CS2WI	10	**Parede** — Portugal
13050	22.99		50	**Bound Brook** — U. S. A.
13190	22.80			**U. S. S. R.**
13320	22.52		0,25	**Khartoum** — Sudan
13600	22.08	PMS4	0,25	**Soerabaja** — Java

19 METRE BAND

kc/s	Metres		kW	Station
14850	20.30	LPS-6	5	**Ushaia** — Argentina
15040	19.95			**U. S. S. R.**
15070	19.91	GWC	50	**London** — Gt. Britain
15086	19.88			**U. S. S. R.**
15090	19.88	CKLX	50	**Sackville** — Canada
15090	19.88	CBLX	7,5	**Montreal** — Canada
15095	19.87	HVJ	50	**Vatican City** —
15100	19.87		100	**Allouis** — France
15100	19.87	EPB	14	**Teheran** — Iran
15110	19.85	GWG	50	**London** — Gt. Britain
15115	19.85	HCJB	1	**Quito** — Ecuador
15120	19.84		100	**Colombo** — Ceylon
15120	19.84		1,5	**Athlone** — Eire
15120	19.84	HVJ2	50	**Vatican City** — Italy
15120	19.84		50	**Busto Arsizio III** — Italy
15130	19.83	KNBI	50	**Dixon** — U. S. A.
15130	19.83	KCBR	100	**San Francisco** — U. S. A.
15130	19.83		100	**Allouis** — France
15130	19.83	KGEI	50	**Delano** — U. S. A.
15130	19.83			**U. S. S. R.**
15140	19.82	GSF	50	**London** — Gt. Britain
15145	19.82	YDC	3	**Poerri** — Java
15155	19.80	OAX4R	10	**Lima** — Peru
15155	19.80		85	**Munich III** — Germany, U. S. Z.
15155	19.80	WRCA	50	**Bound Brook** — U. S. A.
15155	19.80	ZYB9	25	**Sao Paulo** — Brazil
15155	19.80	SBT	12	**Motala** — Sverige
15160	19.79	VLG7	10	**Lyndhurst** — Australia
15160	19.79	VLB11	100	**Shepparton** — Australia
15160	19.79	OLR5C	30	**Podebrady** — Czechosl.
15160	19.79	VUD7	100	**Delhi** — India
15160	19.79	XEWW	25	**Mexico City** — Mexico
15165	19.77	PRE9	5	**Fortaleza** — Brazil
15165	19.77		50	**Copenhagen** — Denmark
15170	19.78	TGWA	10	**Guatemala City** — Guatemala
15170	19.78	XGOY	35	**Chungking** — China
15170	19.78			**U. S. S. R.**
15175	19.77	LLM	10	**Tromsoe** — Norway
15180	19.76	GSO	50	**London** — Gt. Britain
15190	19.75	PRI3	12	**Belo Horizonte** — Brazil
15190	19.75	CKCX	50	**Sackville** — Canada
15190	19.75	OIX4	15	**Pori** — Finland
15190	19.74	VUD5	100	**Delhi** — India
15195	19.74	TAQ	20	**Ankara** — Turkey
15200	19.74	VLA6	100	**Shepparton** — Australia
15200	19.74	VLB6	100	**Shepparton** — Australia
15200	19.74	VLC	50	**Shepparton** — Australia
15220	19.72	WRUA	50	**Boston** — U. S. A.
15210	19.72	VLC11	50	**Shepparton** — Australia
15210	19.72	WRUA	50	**Belmont** — U. S. A.
15210	19.72	WBOS	50	**Boston** — U. S. A.
15220	19.72	PCJ	40	**Huizen** — Holland
15225	19.71	JVW	15	**Kawachi** — Japan
15230	19.70	OLR5A	30	**Podebrady** — Czechosl.
15230	19.70		75	**Cincinnati** — U. S. A.
15230	19.70			**U. S. S. R.**
15230	19.70	VLG6	10	**Lyndhurst** — Australia
15235	19.69	JVW3	3	**Kawachi** — Japan
15240	19.69	VLG6	10	**Lyndhurst** — Australia
15240	19.69	VLR4	2	**Melbourne** — Australia
15240	19.68		100	**Allouis** — France
15250	19.67	WLWK	75	**Cincinnati** — U. S. A.
15250	19.67	KRHO	100	**Honolulu** — Hawaii
15260	19.66	GSI	50	**London** — Gt. Britain
15270	19.65	WCBN	50	**Brentwood** — U. S. A.

kc/s	Metres		kW	Station
15270	19.65			**U. S. S. R.**
15270	19.65	WRRC	50	**Wayne** — U. S. A.
15280	19.63	ZL4	10	**Wellington** — N. Zealand
15280	19.63	WNRE	50	**Bound Brook** — U. S. A.
15290	19.62	LRU	6	**Buenos Aires** — Arg.
15290	19.62	VUD11	20	**Delhi** — India
15290	19.62	WRUL	50	**Boston** — U. S. A.
15295	19.62		25	**Realtort** — France
15300	19.61			**U. S. S. R.**
15300	19.60	CXA18	20	**Montevideo** — Uruguay
15300	19.61	GWR	50	**London** — Gt. Britain
15305	19.60	HER6	25	**Schwarzenburg** — Switzerland
15310	19.60	GSP	50	**London** — Gt. Britain
15310	19.60			**U. S. S. R.**
15320	19.58	CKCS	50	**Sacksville** — Canada
15320	19.58			**U. S. S. R.**
15320	19.58	VLB11	100	**Shepparton** — Australia
15320	19.59	VLC4	50	**Shepparton** — Australia
15320	19.59	VLA5	100	**Shepparton** — Australia
15320	19.58	OLR5B	30	**Podebrady** — Czechosl.
15330	19.57	WLWR	175	**Cincinnati** — U. S. A.
15330	19.57		50	**Manila** — Philippines
15330	19.57	WGEO	100	**Schenectady** — U. S. A.
15340	19.56			**U. S. S. R.**
15345	19.55		7	**Athens** — Greece
15350	19.54	TPC2	25	**Realtort** — France
15350	19.54	WLWR	50	**Boston** — U. S. A.
15350	19.54		75	**Cincinnati** — U. S. A.
15350	19.54		5	**Luxembourg**
15350	19.54	XGOA	7,5	**Nanking** — China
15360	19.53			**U. S. S. R.**
15370	19.52	ZYC9	25	**Rio de Janeiro** — U. S. A.
15392	19.49	FHE2	12	**Dakar** — Senegal
15407	19.47			**U. S. S. R.**
15435	19.44	GWE	50	**London** — Gt. Britain
15440	19.43			**U. S. S. R.**
15450	19.42	GRD	50	**London** — Gt. Britain
15595	19.23	FZ1	50	**Brazzaville** — Fr. Eq. Af.
15400	19.48	PZC	5	**Paramaribo** — Surinam
15550	19.29			**U. S. S. R.**
		16 METRE BAND		
16666	18.01	CNR3	2,5	**Rabat** — Fr. Marocco
17450	17.19	HVJ	50	**Vatican City** —
17600	17.04		100	**Atlantica** — Spain
17630	17.02	PLD6	3	**Batavia** — Java
17700	16.95	GVP	50	**London** — Gt. Britain
17715	16.93	GRA	50	**London** — Gt. Britain
17720	16.93	LRA5	10	**Buenos Aires** — Arg.
17730	16.92	ZOJ	7,5	**Colombo** — Ceylon
17730	16.92	GWQ	50	**London** — Gt. Britain
17740	16.91			**U. S. S. R.**
17750	19.60	WRUW	50	**Boston** — U. S. A.
17760	16.89	KWID	50	**San Francisco** — U. S. A.
17760	16.89	VUD3	50	**Delhi** — India
17760	16.89	VUD8	7,5	**Delhi** — India
17765	16.89		25	**Muret** — France
17768	16.88			**Moscow** — U. S. S. R.
17768	16.88	OTC5	50	**Leopoldville** — B. Congo
17770	16.88	PHI	5	**Hilversum** — Holland
17770	16.88	ZL5	10	**Wellington** — New Zeal.
17770	16.88	ZOJ	7,5	**Colombo** — Ceylon
17780	16.87		25	**Allouis** — France
17780	16.87	WNBI	50	**Bound Brook** — U. S. A.
17784	16.87	HER7	25	**Schwarzenburg** — Switzerland
17790	16.86	GSG	50	**London** — Gt. Britain
17800	16.85	KRHO	100	**Honolulu** — Hawai
17800	16.85	WLWO	75	**Cincinnati** — U. S. A.
17800	16.85	VLA7	100	**Shepparton** — Australia
17800	16.85	VLB7	100	**Shepparton** — Australia
17800	16.85	OIX5	15	**Helsinki III** — Finland
17810	16.84	GSV	50	**London** — Gt. Britain
17810	16.84		100	**Allouis** — France
17820	16.84	CKNC	50	**Sackville** — Canada
17830	16.83	OLR6A	30	**Podebrady** — Czechosl.
17830	16.83	WCBX	50	**Brentwood** — U. S. A.
17830	16.83		50	**Wayne** — U. S. A.
17830	16.83	LRA5	10	**Buenos Aires** — Arg.
17830	16.83	VUD10	20	**Delhi** — India
17838	19.83			**Kiev** — U. S. S. R.
17840	16.82	VLC9	50	**Shepparton** — Australia
17840	16.82	VLA10	100	**Shepparton** — Australia
17840	16.82		1,5	**Athlone** — Eire
17840	16.83	HVJ	50	**Vatican City** — Italy
17840	16.82	FZ1	7	**Brazzaville** — Fr. Eq. Af.
17845	16.85	ORK	5	**Ruyselede** — Belgium
17850	16.81	PRL9	50	**Rio de Janeiro** — Brazil
17850	16.81	TPB	100	**Muret** — France
17860	16.80			**U. S. S. R.**
17880	16.78	WGEX	50	**Schenectady** — U. S. A.
17880	16.78	KGEX	100	**Dixon** — U. S. A.
18025	16.64	GRQ	50	**London** — Gt. Britain
18080	16.59	GVO	50	**London** — Gt. Britain
18130	16.55	GRP	50	**London** — Gt. Britain
18160	16.52	WNRI	50	**Bound Brook** — U. S. A.
18393	16.31		12	**Saigon** — Fr. Indochina
18600	16.12	PLE3	2,5	**Batavia** — Java
19345	15.50	PLA2	2,5	**Batavia** — Java
		13 METRE BAND		
21000	14.29	FZ1	0,8	**Brazzaville** — Fr. Eq. Af.
21450	13.99	ORL7A	30	**Podebrady** — Czechosl.
21450	13.98		5	**Ruyselede** — Belgium
21460	13.89	KNBA	100	**Dixon** — U. S. A.
21470	13.97	GSH	50	**London** — Gt. Britain
21480	13.96	PHI	15	**Hilversum** — Holland
21490	13.96		100	**Allouis** — France
21500	13.95	WOOW	50	**Wayne** — U. S. A.
21510	13.95	VUD8	7,5	**Delhi** — India
21510	13.95	VUD10	20	**Delhi** — India
21530	13.93	GSJ	50	**London** — Gt. Britain
21540	13.93	VLB5	100	**Shepparton** — Australia
21565	13.91	OLR7B	30	**Podebrady** — Czechosl.
21570	13.91	WCRC	50	**Wayne** — U. S. A.
21590	13.90	WGEA	50	**Schenectady** — U. S. A.
21600	13.89	VLA9	100	**Shepparton** — Australia
21600	13.89	VLB8	100	**Shepparton** — Australia
21600	13.89	CKRP	50	**Sackville** — Canada
21610	13.88	WNRA	50	**Bound Brook** — U. S. A.
21630	13.87		50	**Bound Brook** — U. S. A.
21640	13.86	GRZ	50	**London** — Gt. Britain
21640	13.86	OLR6A	30	**Podebrady** — Czechosl.
21650	13.86	WLWS	75	**Cincinnati** — U. S. A.
21675	13.84	GVR	50	**London** — Gt. Britain
21690	13.83	WLWL	75	**Cincinnati** — U. S. A.
21710	13.82	CHLA	50	**Sackville** — Canada
21710	13.82	GVS	50	**London** — Gt. Britain
21730	13.81	WNRX	50	**Bound Brook** — U. S. A.
21740	13.80		100	**Allouis** — France
		11 METRE BAND		
21750	13.79	GVT	50	**London** — Gt. Britain
25750	11.65	GSQ	50	**London** — Gt. Britain
25800	11.58	ZL6	10	**Wellington** — New Zeal.
26100	11.49	GSK	50	**London** — Gt. Britain
26400	11.36	GSR	50	**London** — Gt. Britain
26550	11.30	GSS	50	**London** — Gt. Britain

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